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CORN

Lochief—See Page 14

TOMATO

Early Prolific—See Page 1

CABBAGE

Wisconsin Globe—See Page 9

BEAN

Wade—See Page 4

PEPPER

California Wonder
See Page 28

CUCUMBER

Marketer—See Page 17

ONION

Imported White Lisbon
See Page 23

Winiger's Certified Sweet
Spanish—See Page 22

RADISH

Cherry Bell—See Page 30

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RECEIVED

★ FEB 10 1953 ★

U.S. Department of Agriculture

*Gold Seal
Seeds
for 1953*



The Western Seed Co.

1425 Fifteenth Street

DENVER 2, COLORADO

ROSE SPECIAL

HOWARDS FINEST Quality

NO. 1 GRADE — 2-YEAR-OLD

6 FOR \$6²⁵

Postage 30c

McGREDYS
IVORY

More Roses
See Pages
64-65-66-73

PRESIDENT
HOOVER

SOEUR THERESE

DAME EDITH
HELEN

ETOILE DE
HOLLAND

CHRISTOPHER
STONE

NEW FLOWERS and VEGETABLES of SPECIAL MERIT

Petunia

BALLERINA. All-America Selection for 1952. Blooms soft, glowing scarlet salmon, large, single fringed which almost cover the plant, 3½ inches across. Plants dwarf and compact, 12 inches high, 30 inches across. Vigorous grower. See picture inside back cover. (Pkt. 50c) (1/64 oz. \$7.50).

COMANCHE. New All-America Selection for 1953. The deepest red Petunia, plants are base-branching, semi-compact, 15 inches high, 18 inches spread. Covered with a profusion of 2½ to 2¾ inch scarlet-red flowers over a long period. (Pkt. 35c) (1/64 oz. \$5.00).

Zinnia

PEPPERMINT STICK. An interesting new development. Striped type, medium size zinnia in a wide color range of red and yellow, red and white, pink and white, orange and white, purple and white. Early to flower and continues until frost. Semi-dwarf plants. Mixed (Pkt. 15c) (¼ oz. 50c).

BURPEE GIANT HYBRIDS. Immense, fluffy flowers in a gorgeous range of colors and color combinations with graceful, curved petals like those of a Giant Chrysanthemum. Entirely free of stiffness. (Pkt. 15c) (¼ oz. 45c) (½ oz. 75c).

Marigold

GLITTERS. All America Winner. Large, 3½ to 4 inches, bright clear yellow, double Chrysanthemum flowers with long cutting stems. Plants erect, 2½ feet, earlier than Mammoth Mum. (Pkt. 20c) (½ oz. 30c) (½ oz. 90c).

Snapdragon

TETRA SUPERFINE MIXTURE. The famous "Tetra Snaps." Plant not so tall as Maximum, but bear even larger florets, mostly ruffled, and in every Snapdragon color including bicolors and veined. The husky, erect growth makes Tetras prime favorites of the bedding plant grower. (Pkt. 20c) (½ oz. 30c) (½ oz. 90c).

Bush Bean (New)

WADE STRINGLESS BUSH BEAN. Prices, see page 5.

Onion

EARLY SWEET SPANISH IDAHO NO. 6. The earliest of all Sweet Spanish. Excellent keeper, bulbs very uniform, of dark golden color, globe-shaped. Flesh is white and firm. More description and prices, see page 22.

Hybrid Tomatoes

Gives you Longer Harvest; Earlier Ripening; Heavier Production; Better Color and Flavor; More Solid and Less Cracked Fruit.

Culture—No different than other tomatoes. You will note we have Hybrid F-1 which designates first generation and is hand-pollinated and is true hybrid. F-2 is seed produced from Hybrid F-1 plants, but is not hand-pollinated.



EARLY PROLIFIC HYBRID F1

EARLY PROLIFIC HYBRID F1. The most satisfactory tomato we have ever grown or seen. It is very early, 64 days. Bears very large fruits which are dark red, firm fleshed, small seed cavities, good flavor, non-acid, globe-shaped, smooth and uniform. Vines more vigorous and much greater yields than other tomatoes, suitable for staking and trellising. (Pkt. 30c) (1/16 oz. \$1.50) (¼ oz. \$5.00).

STOKESCROSS F2 HYBRID A new second generation hybrid, combines earliness, 73 days, size, and productivity. The large fruit are deep red, free from interior core, recommended for home and market gardens. (Pkt. 20c) (¼ oz. \$1.00) (1 oz. \$3.50).

Watermelon

NEW HAMPSHIRE MIDGET. A Gold Medal award from All American trials; very early; producing an amazing number of small elliptical 2½ lb. fruit with thin, solid rind; flesh sweet, bright red. Ripe melons 65 days after planting. (Pkt. 10c) (½ oz. 20c) (oz. 25c) (¼ lb. 75c) (lb. \$2.25).

Muskmelon

FAR NORTH MUSKMELON. Is well named as it is very early for culture where seasons are very short. Fruit small, round, well netted with thick orange flesh of very good flavor. (Pkt. 15c) (oz. 30c) (¼ lb. 90c) (lb. \$3.50)

Vegetable and Flower Seed Collections

GOLD SEAL VEGETABLE COLLECTION \$1.73 Postpaid

23 full sized packages which sell for \$2.30

Beans, Early Six Weeks	Onion, Mt. Danvers
Beans, Brittle Wax	Parsnip, Hollow Crown
Beets, Detroit Dark Red	Peas, Laxton's Progress
Cabbage, Early Copenhagen Market	Pumpkin, Small Sugar
Carrot, Chantenay	Radish, Ea. White Icicle
Corn, Ea. Golden Bantam	Radish, Scarlet Globe
Corn, Tender Gold Hybrid	Spinach, Long Standing Bloomsdale
Cucumber, Marketer	Squash, Acorn
Lettuce, Grand Rapids	Squash, Zucchini
Lettuce, Great Lakes	Swiss Chard
Muskmelon, New Yorker	Turnip, Purple Top White Globe
	Watermelon, Early Kansas

FARM GARDEN COLLECTION

ONLY \$3.82 Postpaid

Regular price of this selection \$4.57

½ lb. Beans, Contender
¼ lb. Beans, Brittle Wax
1 oz. Beet, Detroit Dark Red
1 oz. Carrot, Danvers
¼ lb. Corn, Golden Bantam Early
¼ lb. Corn, Golden Cross Hybrid
½ oz. Cucumbers, Straight 8
½ oz. Lettuce, Grand Rapids
½ oz. Lettuce, Great Lakes Improved
2 oz. Muskmelon, True Greeley Wonder
1 oz. Onion, Mountain Danvers Improved
½ oz. Parsnips, Hollow Crown
½ lb. Peas, Stratagem
½ lb. Peas, Little Marvel
1 pkt. Pumpkin, Sugar
1 oz. Radish, Long White Icicle
1 oz. Radish, Scarlet Globe
¼ oz. Spinach, Long Standing Bloomsdale
1 oz. Squash, Acorn
1 pkt. Swiss Chard
1 oz. Turnip, Purple Top Globe
2 oz. Watermelon, Early Kansas

LARGE VEGETABLE GARDEN COLLECTION \$2.95 Postpaid

Regular Price \$3.66

1 oz. Beets, Detroit
¼ lb. Beans, Stringless Early Six Weeks
¼ lb. Beans, Brittle Wax
1 pkt. Cabbage, Early, Copenhagen
1 oz. Carrots, Chantenay
¼ lb. Corn, Early Bantam
¼ lb. Corn, Golden Cross Hybrid
1 pkt. Cucumber, Long Green
½ oz. Lettuce, Grand Rapids
½ oz. Lettuce, Great Lakes
1 pkt. Muskmelon, Improved Greeley Wonder
½ oz. Onions, Mountain Danvers Improved
1 oz. Parsnips, Hollow Crown
¼ lb. Peas, Little Marvel
1 oz. Pumpkin, Sugar
1 oz. Radish, Long White Icicle
1 oz. Radish, Scarlet Globe
2 oz. Spinach, Long Standing Bloomsdale
1 oz. Squash, Hubbard
1 oz. Squash, Zucchini
1 pkt. Turnip, Purple Top Globe
1 pkt. Watermelon, Dixie Queen

SWEET PEA

EARLY FLOWERING COLLECTION

1 Large Pkt. each ONLY 65c Postpaid—

Regular Price 90c

Princess (Blue)	Hope (White)
Top Sergeant (Crimson)	Bridesmaid (Pink)
Rhapsody (Lavender)	Cavalcade (Cerise)
Treasure Island (Golden Orange)	

CUTHBERTSON SWEET PEAS—ALL 6 LARGE PACKETS 50c

Vigorous and continue to bloom in hot weather.

Janet (White)	Catherine (Cerise)
Hazel (Light Blue)	Jimmy (Deep Scarlet)
Lois (Rose Pink)	Frank G (Rosy Lavender)

See back cover and page 50.

Tuberous **BEGONIAS** Rooted

Double Camellia-flowered From Belgium

Even the beginners find them easy to grow. Next to roses, they are rapidly becoming one of the most popular subjects. Will thrive in shady places where other flowers fail. Follow the simple direction which we supply and you will be well rewarded. Bulbs are easily taken up in the fall and stored for next year.

GLAMOROUS, DOUBLE BEGONIAS, CAMELLIA-FLOWERED. 15 large size 1½ to 2 inch tubers. 3 each—Red, Pink, Orange, Yellow, White. Packaged separately (not mixed).

\$2.10 Postpaid.

(Each 20c) (Doz. \$2.00) (100 \$15.00).

Your selection. Also see page 62.

Quality Seeds Produce Quality Vegetables

"GOLD SEAL"

Stands for the Best in Seeds

The old saying, "Western Seeds for Western Growers," is a safe guide. Our seed is put up under the "Gold Seal" trade mark, and it is your protection in the garden and on the farm.

We have our own seed analyst and a seed testing laboratory. This work enables us to offer you only proven quality.

All seeds offered in this catalog will be equal to or better than the government standard for germination unless otherwise stated.

CONDITION OF SALE

The Western Seed Company warrants, to the extent of the purchase price, that seeds, plants, bulbs or nursery stock sold are as described on the container within recognized tolerances. Seller gives no other or further warranty, express or implied.

PLANTS

On account of the delays in transportation and the perishable nature of fresh vegetable and flower plants we cannot guarantee that plants in all instances will arrive in suitable condition.

OUR RETAIL STORE

1425 15th St., Denver, Colorado

TERMS—We gladly open charge accounts for persons of approved credit.

PRICES ON VEGETABLE SEEDS FOR COMMERCIAL GROWERS

We will gladly recommend varieties suitable for your particular growing area and will quote quantity prices.

WRITE FOR FIELD SEED PRICES

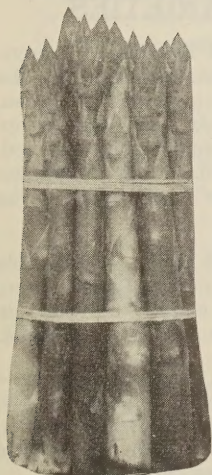
Quantity prices on field seeds are not stated for the reason that they cannot be accurately determined at the time the catalog is printed. As field seed prices fluctuate, we issue new price lists during planting season, which will be sent free on request, or if you have an approximate idea of your needs, let us quote f.o.b or delivered prices.

Our field seeds are described in this catalog on pages 79 to 88.

ASPARAGUS SEED

1 pound will produce about 6,000 roots

CULTURE: Sow seed thick in rows 20 inches apart. Use plenty of water for the seed has a hard hull. After the plants start growing do not cultivate closely as this will injure the roots. The following spring or second year the roots should be dug, separated and transplanted in the field or garden, making trenches about 4 inches deep, 6 inches wide; place roots, crown up, 20 inches apart. Leave the rows 3½ feet apart. If you do not care to wait and raise your own roots we can supply you with two-year-old roots of the varieties listed below. Asparagus does not require as much water as most vegetable crops.



MARY WASHINGTON

MARY WASHINGTON. Developed by U. S. Department of Agriculture, resistant to rust; very productive; very uniform; large, dark green spears.

WASHINGTON No. 500. A new, earlier strain of Mary Washington producing extra large spears up to 1 inch in diameter which are uniform and dark green color.

PARADISE. Rust resistant. Produces a crop of medium large, green stalks. One year earlier than other varieties.

ASPARAGUS SEED—PRICES Postpaid

	Pkt.	oz.	¼ lb.	1 lb.
Mary Washington .....	.10	.25	.70	\$2.25
Washington 500 .....	.10	.45	1.40	4.00
Paradise .....	.10	.35	1.15	3.50

BEANS

1 pound for 100 hills; 60 lbs. will plant an acre
We Catalog Only the Leading and Best Varieties

CULTURE: Beans must not be planted until danger of frost is past and the soil is quite warm. Plant in rows 18 to 30 inches apart for hand cultivation, or 2½ to 3 feet apart for field culture. Space the seed 2 to 3 inches apart in the rows and cover with 1 to 2 inches of soil. For a continuous supply make sowings every 2 weeks until 10 weeks before the first expected frost. Beans are more delicious and bear longer when picked before fully matured. Give frequent and shallow cultivation until blossoms appear.

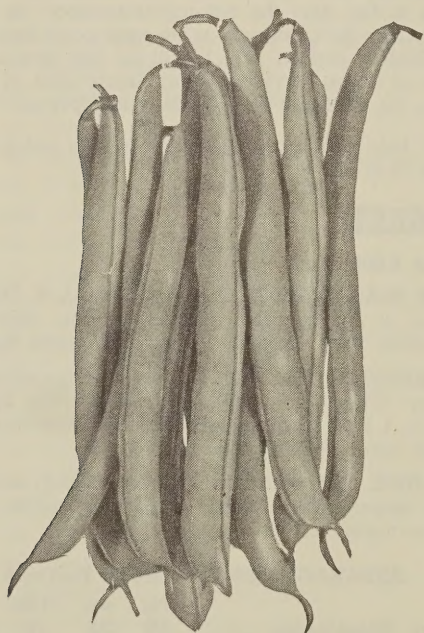
GREEN BUSH VARIETIES

BOUNTIFUL or EARLY SIX WEEKS. 49 days. Is the earliest of the green varieties. A very productive bean, pods are about 5 inches long, straight, handsome, rather light green, flat and of good quality. It is very popular on Eastern Markets. Similar to Plentiful.

CONTENDER. A new bean that has almost everything. Very early. Exceptionally heavy yielder and fine quality. Pods stringless and fiberless, 6½ inches long, round, slightly curved. Resistant to most bean diseases. Recommended where seasons are short. Excellent shipper.

TOPCROP or FULCROP. Gold Medal All-America Winner for 1950. Equal to Tendergreen in quality, but a better yielder. Pods round 6½ to 7 inches; stringless and fiberless. Resistant to bean Mosaic disease.

WADE STRINGLESS BUSH BEAN. A new development of an outstanding bean that is resistant to bean mosaic; yields a heavy crop of complete stringless and fiberless, dark green, long, 7 inch pods well off the ground. Stands up well under shipping.



WADE

BLACK VALENTINE STRINGLESS. With shippers and large market growers this is the most widely used and popular bean as it stands up in transit better than any other bush variety. Pods strictly stringless, 6¾ inches, dark green, slender, oval, nearly straight. Seed solid black.

TENDERGREEN or ASGROW STRINGLESS. 54 days. An outstanding general purpose bean. Pods stringless, straight, round, 6 inches long, dark green, meaty and free from fiber. Plants vigorous growing and very productive.

FULL MEASURE. Produces an abundance of pods 6 to 6½ inches long; stringless and fiberless; tender and meaty even after the bean is well matured. Recommended for home gardens, canning, and freezing.

LANDRETH STRINGLESS. 52 days. A greatly improved Burpee's Stringless. Pods are longer, slightly more round, flesh more tender, less fibrous, and no strings.

GIANT STRINGLESS. 55 days. Exceedingly productive and very hardy. Light green stringless pod 6 inches in length, round and fairly straight.



BRITTLE WAX or ROUND POD KIDNEY

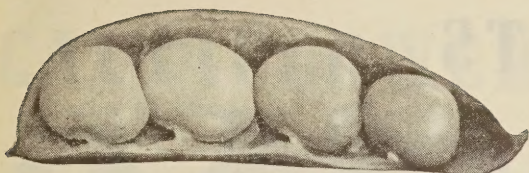
WAX BUSH VARIETIES

BRITTLE WAX or ROUND POD KIDNEY. 54 days. An outstanding sort for home use and for the market trade. Plants large, erect, medium green, vigorous and productive. Pods handsome in appearance, medium yellow, round, slightly curved, extremely brittle; fleshy, absolutely stringless and fiberless; the best of the round podded wax varieties.

PENCIL POD BLACK WAX. 53 days. A desirable home and market garden variety. Plants strong and productive. Pods round, slightly curved, brittle and absolutely stringless. Seed solid black.

TOP NOTCH GOLDEN WAX. A much improved type of Golden Wax. Pods are stringless, smooth, symmetrical oval, light golden color, very tender, 5 to 6 inches long, almost an inch longer than improved Golden Wax. Very productive.

Our bean seed are Idaho grown.



FORDHOOK No. 242

LIMA OR BUTTER BEANS

1 pound for 100 hills

CULTURE: Planting and care of Limas same as other Bush Beans, except 4 inches apart in row and for best yield a warm, sandy loam is desirable.

BABY LIMA or HENDERSON BUSH. 68 days. Popular with home gardeners as a green shell bean, also as a dry bean. Plants medium size, heavy yielder of short flat pods containing 3 to 4 oval beans.

CLARK'S BUSH (Green Seeded Henderson). Green seeded strain of Henderson's Bush Lima, with green cotyledons, seed retaining its green color even when mature.

FORDHOOK No. 242. 76 days. An improved Fordhook; stands dry weather better. Pods broad, thick, containing 3 to 4 beans of fine flavor. Plants dwarf and spreading.

EARLY MARKET DWARF LIMA. A large seeded variety producing a heavier set of pods 5 to 10 days earlier than Burpee Bush; seed broad, flat, greenish cream.

BURPEE IMPROVED BUSH. 78 days. Plants large, vigorous, very productive; pods large, 5 inches.

SHELL BEANS

DWARF HORTICULTURAL. (Speckled Cranberry.) Excellent as green shelled bean. Also used as snap beans and dried beans. Pods wide and 5 inches long. Beans green splashed with carmine.

LONG WINDSOR or FAVA. A late variety for use as a green shelled bean. Plants are very large and erect, bushy; pods glossy green, broad and very thick. At eating stage the beans are light green, broad, flat, and usually three to a pod. Also edible when dry. Seed reddish-brown with black eyes.

POLE BEANS OR RUNNING VARIETIES

KING OF THE GARDEN (Pole Lima). 89 days. Splendid climber; very productive. Seeds large.

KENTUCKY WONDER or OLD HOMESTEAD (Green). 67 days. The best known and most popular pole bean. Good for home and market garden, and for canning. Pods 7 to 9 inches long, practically round, curved, with undulating surface, meaty, of good quality. Strong climber, hardy, very prolific over long season. Very brittle. Stringless when young.

KENTUCKY WONDER WAX. The best wax podded pole bean. Fast grower. Vines are strong. Stringless, fleshy, almost round yellow pods, 8 inches long.

BEAN PRICES

All Beans, pkt. 10c, ¼ lb. 20c

BEANS, ALL GREEN BUSH VARIETIES

	Days to Picking	POSTPAID			NOT POSTPAID	
		½ lb.	1 lb.	5 lbs.	10 lbs.	25 lbs.
Bountiful or Early Six Weeks	49	\$.25	\$.40	\$1.60	\$ 2.50	\$ 6.00
Contender	48	.30	.50	2.25	3.15	7.25
TopCrop	50	.30	.50	2.25	3.50	8.00
Full Measure	53	.30	.50	2.25	3.50	8.00
Giant Stringless	55	.30	.50	2.00	3.00	7.00
Tendergreen or Asgrow Stringless.....	54	.30	.50	2.25	3.10	7.25
Landreth Stringless	52	.30	.50	2.00	3.00	7.00
Stringless Black Valentine	53	.30	.50	2.00	3.00	7.15
Wade Stringless	55	.35	.60	2.40	3.25	8.25

WAX BUSH VARIETIES

Round Pod Kidney or Brittle Wax	54	.35	.60	2.50	3.30	8.25
Pencil Pod Black Wax	53	.30	.55	2.25	3.10	7.50
Top Notch Golden Wax	52	.35	.55	2.35	3.25	7.40

LIMA OR BUTTER BEANS

Baby Lima or Henderson Bush	68	.25	.50	2.00	2.80	6.60
Fordhook No. 242	72	.30	.55	2.25	3.40	8.00
Burpee Improved Bush	74	.30	.55	2.25	3.25	7.50
Early Market	70	.30	.55	2.25	3.35	7.90

SHELL BEANS

Dwarf Horticultural	55	.30	.50	2.25	3.25	7.50
Long Windsor or Fava.....	75	.30	.50	2.25	3.25	7.50

POLE BEANS OR RUNNING VARIETIES

Kentucky Wonder or Old Homestead	67	.30	.50	2.25	3.10	7.25
Kentucky Wonder Wax.....	68	.30	.50	2.25	3.40	7.75
King of the Garden	89	.30	.50	2.25	3.40	7.75

BEETS

We Catalog Only the Leading Varieties

1 ounce will sow 50 feet of row; 5 to 6 pounds will plant an acre

CULTURE: Beets will grow in any fertile soil but thrive best in deep, rich sandy loam. Seed may be sown in the early spring as soon as ground can be worked; later sowings for continuous supply, every two or three weeks until the middle of July. Sow seed in rows 18 to 24 inches apart, and cover 1 inch deep. Thin plants to stand 3 to 4 inches apart in the rows. Beets do not require an abundance of water. Frequent light waterings are better than heavy soaking.

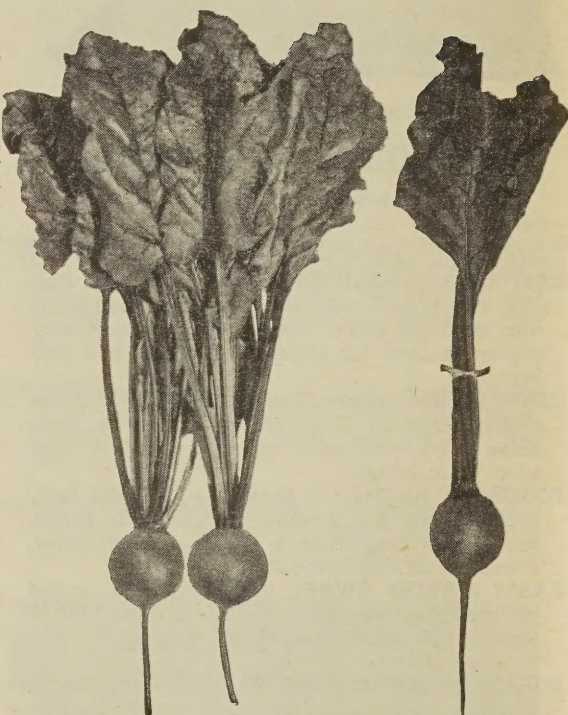
EARLY EGYPTIAN. 57 days. This is one of the best varieties for forcing and early planting. Skin and flesh purple red and while young is very sweet and tender. Oval shaped, but with continued growth it becomes broader and fatter and a little coarse.

EARLY WONDER. 60 days. Valuable as an early variety. Tops medium small, erect. Roots semi-globular, blood red, with small tap root. Flesh blood red with zones of somewhat lighter shade; tender and of good quality.

CROSBY'S EGYPTIAN (Special Strain). 62 days. Almost globular in shape with small tap root and of fine quality. Vermilion color, of very attractive appearance when bunched. Very satisfactory for market garden and as a shipping sort.

DETROIT DARK RED. 70 days. A standard variety for home, market garden, shipping and canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root. Flesh very dark color, the zones are so inconspicuous that the flesh appears as a solid ball of blood red meat and remains tender and of the highest quality until roots are full grown.

PERFECTED DETROIT. Tops medium to tall, leaves green tinged with red; used extensively as greens instead of spinach. Roots globular, medium smooth, deep red; flesh dark red and practically free from zoning; of good quality, well liked by market gardeners and canners.



PERFECTED DETROIT

DETROIT DARK RED

ECLIPSE 705 or DALLAS BUNCHING. 62 days. Extensively used as a bunching beet in Texas markets. Roots globular, attractive. Color vermillion with slightly zoned blood red flesh. Tops medium.

GREEN TOP BUNCHING or GREEN LEAF DETROIT. 70 days. Extremely attractive bunching beet. Tops medium sized and erect. Foliage clean, grayish green, does not turn red or brown in autumn. Roots round, smooth, and glossy. Flesh bright, blood red.

BEET PRICES



EARLY GREEN SPROUTING

BROCCOLI

CULTURE: Same directions as for cabbage. Packet produces about 250 plants. 1/4 lb. required for an acre.

EARLY DeCICCO. Extremely early strain, large heads ready for market 10 days ahead of other varieties. Also produce large percentage of side shoots. Excellent for bunching.

PRICES

EARLY GREEN SPROUTING. 85 days. Vigorous early type, forming large, compact, central, purple green heads which after being cut are replaced with a number of smaller shoots.

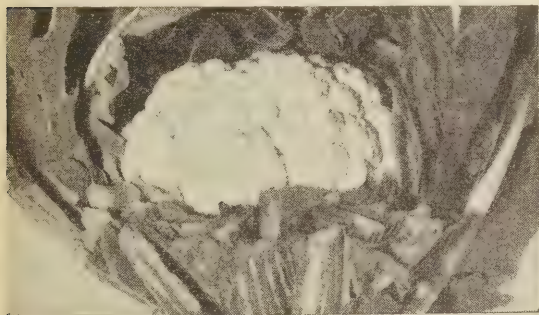
GREEN SPROUTING MEDIUM EARLY STRAIN. 100 days. A very fine strain and extra heavy yielder. Seed should be started early in hotbeds. Forms many shoots.

CAULIFLOWER

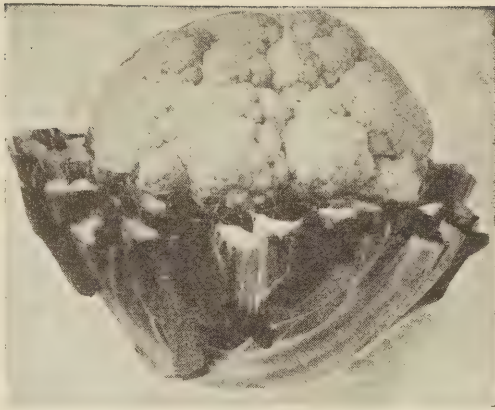
1 ounce for 2500 plants; 5 ounces for acre

CULTURE: For early June crops with altitudes about the same as Denver, sow seed in hotbeds during February. For higher altitudes, later planting is best. Plants should be gradually hardened off before setting out in the field, which should be done shortly after the first of April. For midseason crops plant seed in cold frames. For late crops plant seed in May and after plants are 4 to 6 inches high, transplant to field about June 15th. Cauliflower is grown much in the same manner as cabbage. To make the best, largest and whitest heads the plants need moderate weather, well enriched soil and thorough cultivation until the plants become quite large. After the heads begin to form, the leaves should be drawn up around them and tied, thus to produce snowy white heads. Cauliflower is very sensitive and extreme care is necessary in growing the plants. Be careful that the hotbeds are not kept too warm and plants grow too tall and spindly, nor must the roots at any time be allowed to become dry either in the plant bed or in the field. Cauliflower worms can be controlled by the use of CUBOR without danger of poisoning. For aphids (plant lice) use Black Leaf 40, Vapatone, or Chlordane (Colorado 44). See pages 90-91.

MOUNT BLANC. A marvelous early main crop variety. Even with adverse weather, will yield an abundance of marketable large snow white heads. Plants short, stalky with heavy broad closely set foliage. Crop heads simultaneously, 3 cuttings usually clear the fields. This variety has given wonderful results in the San Luis Valley, Canon City, Denver, Pueblo, Phoenix. Especially adapted to the Rocky Mountain region.



MOUNT BLANC



SNOWDRIFT NO. 16 GOLD SEAL STRAIN

EARLY SUPER SNOWDRIFT. An outstanding new cauliflower. It is early. Plants grow and head like Super Snowball, but the heads are larger, heavier, deeper and more solid, like Snowdrift. All growers who have tried this new variety are reordering seed.

SUPER SNOWBALL STRAIN A. Also known as Early Mountain Snowball suited for early main crop. A fast grower, heads large, firm, and white. Four days later than Mount Blanc.

SNOWDRIFT NO. 16 GOLD SEAL STRAIN. There are several strains of Snowdrift and after years of closest observations, trials, and growing hundreds of acres of cauliflower ourselves we have found this strain superior. Although it is a medium early variety we recommend Snowdrift No. 16 for the main mid-season and late crops. Plants are vigorous, rather short stem, leaves long and erect, forming a good protection for the deep, heavy, well rounded white heads. We can furnish either European or American grown seed but recommend the European.

SNOWBALL X STRAIN. Also known as White Mountain and is much like Snowdrift No. 16 except plants grow taller and about 5 days later. Heads are deep, solid, white, protected with good heavy foliage.

ALL PRICES POSTPAID							
		Days	Pkt.	Oz.	¼ lb.	1 lb.	5 lbs. 10 lb.
BEETS							
Early Egyptian	57	\$.10	.18	.50	\$1.55	\$7.25	\$14.00
Early Wonder	60	.10	.18	.50	1.55	7.25	14.00
Crosby's Egyptian	62	.10	.18	.50	1.55	7.25	14.00
Detroit Dark Red	70	.10	.18	.50	1.55	7.25	14.00
Perfected Detroit	68	.10	.18	.50	1.55	7.25	14.00
Eclipse 705 or Dallas Bunching	66	.10	.18	.50	1.55	7.25	14.00
Green Top Bunching	70	.10	.18	.45	1.55	7.25	14.00
BROCCOLI		Days	Pkt.	Oz.	¼ lb.	1 lb.	5 lbs.
Early DeCicco	63	.10	.35	1.10	3.90	18.75	
Early Green Sprouting	73	.10	.30	.90	2.90	13.50	
Green Sprouting	80	.10	.25	.75	2.90	13.50	
CAULIFLOWER		Days	Pkt.	¼ Oz.	Oz.	¼ lb.	1 lb.
Mount Blanc, Holland Grown	55	\$.20	.60	\$1.80	\$6.00	\$22.00	
Early Super Snowdrift, Holland Grown	58	.20	.60	1.80	6.00	22.00	
Snowdrift No. 16 Gold Seal Strain	64	.20	.60	1.80	6.00	22.00	
Super Snowball Strain A	58	.15	.60	1.75	5.75	20.50	
Snowball X Strain	62	.15	.60	1.75	5.75	20.50	

CABBAGE

1 ounce for 2500 plants; 6 ounces for an acre
We List Only the Best Varieties

We are large growers and shippers of cabbage, growing and shipping hundreds of cars yearly. We test and try out on our vegetable farms, every new introduction of cabbage and the varieties listed herein are those found to be best adapted to the soil and climatic conditions of the West.

CULTURE: The ground should be well fertilized, deeply plowed (fall plowed if possible). For early planting sow seeds of the early varieties in hotbeds the first part of February. For second early and later crops sow in March and April, in hotbeds or cold frames. The plants should be set in rows 2½ to 3 feet apart and from 12 to 18 inches apart in the rows, according to the richness of the soil—the richer the soil the closer they may be grown. Until the plants start to head they should have frequent cultivation. Seed for midseason and late crops can be drilled out in the field during April and thinned instead of transplanted. Use Cubor for cabbage worms; aphid (plant lice), Black Leaf 40, Vapatone or Chlordane (Colorado 44). See pages 90-91.

EARLY WONDER. The earliest, round headed variety; uniform. Plants compact with short stems similar to Golden Acre but 3 to 5 days earlier.

GOLDEN ACRE. 65 days from setting of plants. A very fine extra early variety maturing uniformly and all heads at about the same time. Heads are round, very firm, bright green color, about 5 to 8 inches in diameter. The stalk is very short, plants can be set close together.

GOLDEN ACRE ELITE. An extra fine strain of Golden Acre. This seed specially selected and grown for uniformity of type, earliness and yield.

COPENHAGEN MARKET IMPROVED. 74 to 76 days. A splendid early, round head short stem sort, head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, make it very popular with the market gardeners. One of the best second early varieties.

GLORY OF ENKHUIZEN. 80 to 85 days. Heads are good size, solid, round in shape, good green color. It matures a little later than Copenhagen Market and just before the Hollander and Danish Roundhead. Excellent shipping and early kraut variety.

DANISH ROUNDHEAD SHORT STEM. Danish grown. 100 to 105 days. A heavy yielding Holland type; heads solid, round, little flattened on top, uniform, heavy yielder.

EVERGREEN HOLLANDER ELITE. 100 to 105 days. The most widely used late variety of cabbage in Rocky Mountain area for both market and shipping trade as the heads are mostly medium size, spherical, firm. Fresh green color which it retains longer than any other late sort. Plants medium, short stems, erect and compact, allowing close planting and heavy yields.

DANISH BALLHEAD SHORT STEM HOLLAND. (Gold Seal Quality.) 100 to 108 days. If planted on good ground a large yield can be expected, for the heads are all of a good size, deep round, very solid and interior very compact. Desirable for shipping, storage or high quality kraut.

FERRY'S HOLLANDER. Plants are erect, compact, and short stemmed, allowing close planting. Heads become marketable in 100 days and fully matured in 120 days.

PENN STATE BALLHEAD. 100 to 110 days. A heavy yielder. Heads attractive, extremely hard, flattened globe, 8 to 9 inches across, 6 to 7 inches deep, excellent for winter storage.

CHINESE CABBAGE

It combines the qualities and flavor of both celery and cabbage; very palatable as cole slaw or if boiled excels cabbage. Prized as a salad vegetable.

CULTURE: Same as turnip or lettuce. For spring crop plant as soon as danger of frost is over. For fall crop, plant in July. Sow seed in rows 24 inches apart and after established thin out to 12 inches apart in the rows. Irrigate and cultivate well. Do not allow ground to dry out.

MICHIHLI. Similar to chihli but with uniformity and heading qualities hitherto unknown in Chinese Cabbage. Heads larger and firmer. Rich dark green outer leaves without yellowish cast. Trimmed heads are well blanched.

CHIHLI. Variety is ready to eat in 70 days from seeding. Leaves are long, green and fringed on edge with white mid-ribs.

SAVOY CABBAGE

CHIEFTAIN SAVOY. The best of the savoy cabbages, medium early but stands a long time without bursting. Plants medium sized, short stemmed, leaves broad, dark green rounded, closely savoyed. Heads medium large drum-head type, thick flat rounded on top.



WISCONSIN GLOBE

YELLOW S DISEASE RESISTANT STRAINS

Ground that has been planted year after year with cabbage often becomes infested with disease. These strains have been bred to resist the disease known as "Cabbage Yellow s," and remarkable results are obtained and we recommend them highly.

WISCONSIN GOLDEN ACRE. 65 days. The earliest of resistant round head cabbages. Selected from Elite Golden Acre. Heads globular, firm. Plants uniform, short stemmed. May be planted close together. 85 per cent resistant.

RESISTANT DETROIT. 66 days. Conforms in type with Golden Acre except matures 2 or 3 days later and heads a little larger which are globular to slightly flattened. 85 per cent resistant.

RACINE MARKET. Plants 10 inches tall, compact, short stemmed, blue green leaves. Heads round, solid, 6½ to 7 inches in diameter, very uniform.

WISCONSIN COPENHAGEN. 100% yellow resistant. One of the best developments in cabbage breeding. Wisconsin Copenhagen excels all other second early types. Heads good green color, round, uniform. Can be planted close together for small to medium heads. Matures ahead of Racine Market.

WISCONSIN GLOBE. The outstanding, most widely used midseason cabbage. A truly fine variety, producing excellent globe-shaped, medium sized,

very compact heads with small core. Plants are sturdy with short stem. Because heads are so uniform and retain their green color it is fast becoming the leading shipping variety.

WISCONSIN BALLHEAD. Resistant. 95 days. Selected from Danish Ballhead and practically identical in type and season. Round, solid, compact head of medium size, short stem, blue-green foliage. A fine shipping variety and a good keeper. Will produce heavy tonnage even if planted close. Very uniform in type and maturity so that over 90 per cent can be harvested at the first cutting. 97 to 100 per cent resistant.

WISCONSIN HOLLANDER No. 8. 100 days. Selection from Danish Ballhead. Very heavy yielder. Heads round, slightly flattened across top, firm. Color blue green. A good keeper. 90 to 100 per cent resistant.

RED CABBAGE

RED HOLLANDER. Yellow s resistant. 100 days. A round headed late red cabbage, very uniform, foliage purple red, heads solid and compact. A good storage variety. Highly resistant to yellow s.

EARLY RED ACRE. 82 days. Heads and leaves a dark red purple, heads round, medium sized, and solid. Matures earlier than other varieties.

MAMMOTH RED ROCK. 105 days. Is a medium-late maturing variety. Heads are round, medium to large, hard, of dark bluish red color.

CABBAGE PLANTS. See page 38.

All Cabbage, pkt. 10c		ALL PRICES POSTPAID				
	Days From Setting Plants	½ oz.	Oz.	¼ lb.	lb.	5 lbs.
CABBAGE, EARLY						
Early Wonder	62	\$.25	\$.45	\$1.15	\$3.15	\$15.00
Golden Acre	65	.20	.35	1.15	3.15	15.00
Golden Acre Elite.....	66	.25	.40	1.25	3.75	16.75
Green Acre	72	.20	.35	1.15	3.25	16.00
Copenhagen Market Improved	74	.20	.35	.90	3.00	14.50
Glory of Enkhutzen	80	.20	.35	.90	3.00	15.00
Danish Round Head	100	.20	.35	1.00	3.50	15.00
Evergreen Hollander Elite	102	.25	.45	1.50	4.00	17.50
Danish Ballhead Selected	105	.25	.40	1.15	3.75	16.00
Ferry's Hollander		Crop Failure				
Penn State Ballhead	110	.20	.35	1.10	3.25	15.50
YELLOW S RESISTANT STRAINS						
Wisconsin Golden Acre	65	.30	.60	1.50	4.50	19.00
Resistant Detroit	66	.25	.45	1.25	3.75	17.50
Wisconsin Copenhagen	67	.30	.50	1.25	4.00	18.00
Racine Market	70	.25	.45	1.25	3.75	17.50
Wisconsin Globe	78	.30	.50	1.50	4.50	19.50
Regular Globe	78	.25	.45	1.35	3.75	16.75
Wisconsin Ballhead	95	.25	.45	1.35	3.75	16.75
Wisconsin Hollander No. 8	100	.25	.40	1.00	3.25	15.00
RED CABBAGE						
Early Red Acre	82	.30	.50	1.50	4.25	
Mammoth Red Rock	105	.30	.40	1.40	4.00	
Red Hollander, Yellow s-resistant	100	.30	.50	1.65	5.00	
SAVOY, Chieftain	85	.25	.40	1.25	4.25	
CHINESE CABBAGE, Chihli	75	.15	.25	.80	2.50	
Michihli	70	.15	.35	.90	2.75	

CANTALOUPEs and



HALE'S BEST NO. 36

1 oz. will plant 60 hills; 2 to 3 lbs. to an acre

CULTURE: A rich, sandy loam and good seed are absolutely necessary for success in raising the best melons. Muskmelons or Cantaloupes should not be planted on the same ground two years in succession. The seed should not be planted until the ground has become dry and warm. Plant in hills 5 to 6 feet apart each way, dropping 8 seeds to the hill. Cover with 2 inches of soil. Rich earth is far better than manure but if the latter is used see that it is well rotted and thoroughly mixed with the soil. When the plants have five or six leaves thin to two or three of the strongest plants per hill. Cultivate often but not too deep. Should be watered thoroughly about every two weeks.

EXTRA EARLY HACKENSACK. 80 days. A popular first early sort for home garden and local markets. Fruits large, globular with flattened ends. Heavily ribbed with coarse netting. Flesh green, thick, of fine quality. An early variety to grow.

HALE'S BEST IMPROVED No. 36. 86 days. A strain developed from regular Hale's Best No. 36 for uniformity in shape and complete netting. Fruits oval, 3 to 4 lbs., with exceptionally thick, deep, sweet, aromatic flesh. An outstanding, very fine quality melon for shipping and market.

HALE'S BEST or JUMBO 936. 87 days. A large fruited strain. Fruits oval, 5 to 6 lbs., ribbing somewhat prominent, heavy netting. Flesh sweet and of excellent quality.

PERFECTO, IMPROVED. 88 days. Rust resistant and a good cropper. Very desirable for shipping or market gardens. Fruits nearly round, 3 lbs., with hard gray netting and no ribs. Flesh very thick with extremely small seed cavity, deep salmon color; fine grained, juicy, sweet and aromatic.

HEARTS OF GOLD or HOODO. 89 days. Grown extensively for local markets. Fruits nearly round, 3 lbs.; distinctly ribbed, deep green, covered with fine gray netting. Flesh very thick, deep salmon; tender, juicy, sweet and aromatic.

RESISTANT NO. 45. (Hale's Best, Mildew Resistant). 88 days. The most widely planted cantaloupe. Fruits uniform; oval, medium to large, when netted with distinct ribbing. Flesh light orange, thick, firm, and sweet. Can be picked ripe and still stand shipping. Resistant to some forms of powdery mildew.

RESISTANT NO. 45 SELECTED CROWN SET. This seed is selected from the Early Crown Set melons and recommended to the critical growers.

TEXAS RESISTANT NO. 1. 88 days. A new variety developed by Texas Experiment Station, resistant to downy mildew and aphids. Melons are fairly uniform about 4½ to 5½ inches with moderate netting, seed capacity small. Flesh is salmon color, fine texture, sweet and spicy. Is early, withstands drought fairly well.

ROCKY FORD or NETTED GEM. 95 days. Green flesh. Fruits are small, nearly round, weight 2½ pounds; with no ribs, and heavily covered with hard grey netting; flesh thick, green in color, with gold tinge at the center; juicy, delicious and of fine quality.

ROCKY FORD POLLOCK 10-25. 93 days. Fruits nearly round, weight 2½ pounds; show no ribbing, and densely covered with heavy grey netting. Flesh thick deep salmon at center with green tone near the rind; sweet and spicy.

QUEEN OF COLORADO. 88 days. The melons are rather large, 4 lbs., with a very heavy, coarse, slightly ribbed rind, covered with a heavy gray netting. Flesh is very thick, deep orange color, sweet with truly delicious most distinctive flavor.

BENDER'S SURPRISE TIP-TOP (Muskmelon). Fruit large; roundish to broad-oval, commonly 7½ inches long; skin slate-green ripening to yellowish; furrowed, but sparsely netted. Flesh thick; salmon-yellow; very juicy, sweet, and of good rich flavor.

MILWAUKEE MARKET (Muskmelon). 87 days. Fruit nearly round, 6 lbs. Flesh thick, salmon color and of high sugar content.

GREELEY WONDER (True) (Muskmelon). Fruits weigh 5½ to 7½ lbs.; nearly round with prominent ribs and sparse coarse netting. Flesh thick, sweet and very juicy. Specially desirable for roadside trade and home gardens.

NEW YORKER or SCHOONS (Muskmelon). Desirable for shipping and handling because it has a hard, firm shell which is deeply ribbed. Skin gray-yellow. Fruits average about 5 to 7 lbs. Flesh salmon color, sweet and spicy.

MUSKMELONS

CRENSHAW. Earlier than Casaba. Plants vigorous, very productive. Fruits 7 inches long, 6 inches in diameter. Skin slightly rough, flesh thick, salmon-pink, excellent quality. Grows best in warm, sandy loam.

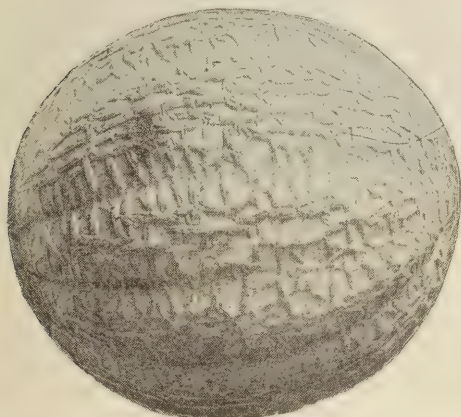
HONEY ROCK. 87 days. Also known as Sugar Rock. Fruit nearly round, medium, weighs 4 pounds. Skin grey-green, covered with a coarse netting. Flesh thick, juicy, orange-salmon, with fine flavor. Good for home use and for shipping to nearby markets.

HONEY DEW, GOLD RIND. 100 days. Like the Green Fleshed Honeydew except 5 days earlier, and when two-thirds grown the rind turns to deep golden yellow; smooth and shiny. Flesh thick, green, of excellent rich flavor.

HONEY DEW GREEN FLESH. 105 days. Fruits large, globular. The outside color is creamy white with some net, ripening to a light cream



CRENSHAW



QUEEN OF COLORADO

 All-America Selections—Honorable Mention

color. The rind is smooth and hard, suitable for long distance shipping, and with excellent keeping qualities. The thick green flesh is sweet and tender.

GOLDEN HYBRID CASABA. 110 days. Requires a long, warm season to properly mature. Melons large, globe-shaped, pinched at stem end. Outer surface wrinkled, tough. Color golden yellow. Flesh white, luscious and spicy. Best of the Casabas.

MUSKMELON-CANTALOUPE MIXTURE. This mixture is made of all the varieties we carry; the old-fashioned muskmelons; new varieties of cantaloupes. For a home garden such a mixture is very interesting and fine melons may be expected.

ALL PRICES POSTPAID

CANTALOUPE AND MUSKMELONS

	Days	Pkt.	Oz.	¼ lb.	lb.	5-lbs.
Crenshaw	100	\$.10	\$.20	\$.75	\$2.25	\$ 9.60
Extra Early Hackensack.....	80	.10	.20	.70	2.00	9.25
Golden Hybrid Casaba.....	110	.10	.25	.75	2.25	9.60
Greeley Wonder True.....	87	.10	.25	.80	2.10	9.50
Hale's Best Improved No. 36.....	86	.10	.25	.80	2.10	9.50
Hale's Best or Jumbo 936.....	87	.10	.25	.80	2.10	9.50
Hearts of Gold or Hoodo.....	89	.10	.25	.70	2.10	9.50
Honey Dew, Gold Rind.....	100	.10	.25	.75	2.25	9.60
Honey Dew, Green Flesh.....	105	.10	.25	.75	2.25	9.50
Honey Rock	87	.10	.20	.75	2.10	9.25
Milwaukee Market	90	.10	.25	.80	2.10	9.25
New Yorker or Schoons Hard Shell.....	90	.10	.25	.80	2.10	9.25
Muskmelon-Cantaloupe Mixture .....	....	.10	.20	.60	2.00	9.25
Perfector Improved	88	.10	.25	.65	2.00	9.25
Queen of Colorado.....	88	.10	.25	.70	2.10	9.25
Resistant No. 45.....	88	.10	.25	.70	2.10	9.25
Resistant No. 45 Selected Crown Set.....	88	.10	.30	.85	2.50	11.00
Rocky Ford or Netted Gem.....	95	.10	.25	.70	2.00	9.25
Rocky Ford Pollock 10-25.....	93	.10	.20	.70	2.10	9.25
Texas Resistant No. 1.....	88	.10	.25	.75	2.20	9.50
Tip Top Improved Bender's Surprise.....	88	.10	.20	.60	2.00	9.25

CARROTS

One oz. will sow 100 ft.; 3 lbs. for an acre.

CULTURE: For early use, sow seeds as soon as soil can be worked in the spring, and for late crops in sections with altitude and climate about the same as Denver, carrots may be planted as late as July 10th. Sow the seed in rows 18 inches apart, but for commercial growers who produce carrots for the shipping trade and general market where a long, uniform, well-colored carrot is desired, a different method of planting and growing is found most practical. That is to plant; two rows 16 inches apart on a bed and 24 inches between the beds for the ditch. By using a wide opening plow on the drill, seed is spread to a width of 3 to 4 inches in the row thus eliminating a large per cent of misshaped carrots. A well prepared seed bed is essential and as the carrots grow, the ditches should be kept deeper and soil kept well banked around the crown of the carrots to prevent green crowns. Care should be used in irrigation. Light waterings are better as this will cause the carrot to go deeper seeking moisture thereby making longer roots which are most desirable.

NANTES CORELESS STRONG TOP. Very popular and well liked for market trade in sacks and baskets, also for home garden, as flesh is tender, crisp, of fine quality. Roots bright orange, coreless, blunt ended.



IMPERATOR LONG TYPE
All-America Selection—Award of Merit

IMPERATOR LONG TYPE. Extensively used for bunching and cellophane packing as the roots are long mostly 9 to 10 inches, smooth, uniformly tapered and of excellent quality; color deep orange.

IMPERATOR LONG (Short Top). Recommended for bunching. Tops abundant and strong but shorter than the other strains of Imperator. Roots uniformly tapered, 9 inches long; diameter at shoulder 1½ to 2 inches; color rich orange.

IMPERIDA (Short Top). Newly developed at University of Idaho Experimental Station. Tops definitely shorter than Imperator. Roots 8 inches long. Flesh orange color. An excellent bunching variety.

SHORT TOP SHIPPER. Has a short, strong, dark green top. Roots long, deep orange, large, blunt ended. Flesh bright, reddish orange, tender and of good quality.

STREAMLINER. Similar to regular Imperator but tops grow shorter with thick stems and strong collar. Color deep orange; very few side roots.

MORSE BUNCHING. Excellent bunching carrot for shipping trade and extensively grown for market growers. Tops short with strong stems. Does well in heavy ground. Roots 8 inches long, smooth; color dark orange; core small and inconspicuous.


CHANTENAY LONG TYPE. A very fine carrot for home and market garden. An improvement over regular Chantenay. Roots 7 in. long, very uniform. Flesh deep orange. Tops medium but compact.

DANVERS HALF LONG. A favorite with many home gardeners as it is very productive. Roots 6 inches with broad shoulders and blunt tip.

CALIFORNIA BUNCHING (Morse Bunching). A very good bunching carrot. Roots 6 inches, uniform, semi-stumped, rounded shoulders. Flesh deep orange, tops medium short, and strong.



STREAMLINER

CARROT PRICES 

Carrots—Continued

DANVERS RED CORE. Used for home and market gardeners. Roots 7 inches long, tapered to blunt end, bright orange with core very similar color. Flesh tender and fine quality.

MASTODON or WHITE BELGIAN. This abundant yielder is strictly a stock carrot and grows to be of very large size and partly above ground. Flesh is light cream color, skin above ground is green and is white below ground. Is a good keeper. Plant 2 lbs. to the acre of this seed.



CELERIAC

CELERIAC

CULTURE. The roots instead of the leaf-stalks of this kind of celery are the part used for food. Are excellent in soups and stews, or cooked and sliced for salad. Seed should be started in hotbeds or cold frames. Transplant to moist, rich soil, in rows 2 feet apart and 5 inches apart in rows. Give thorough cultivation.

LARGE SMOOTH PRAGUE. An improved variety of turnip-rooted celery producing large tubers of nearly globular shape and comparatively smooth surface.

(Pkt. 10c (oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

CHIVES

Chives Seed see Page 18.
Chives Plants see Page 38.

CHICORY

CULTURE FOR WITLOOF: Sow about 1 inch deep in the open ground in May in rows about 18 inches apart. Thin the plants to 4 inches apart in the row. In the fall the roots should be lifted, the leaves trimmed to within 1½ inches of the crown, the side roots broken off, and the main roots shortened to a uniform length of about 9 inches. They are then placed upright 2 inches apart in a trench about 14 inches deep where the plants will make new center shoots.

WITLOOF (French Endive). Market Growers Strain.

Plants grow 15 to 18 inches; leaves smooth, dark green; inner leaves and hearts used in salads. In the fall, the parsnip-shaped roots can be reset to produce excellent winter salads. See culture above.

(Pkt. 10c) (½ oz. 20c) (oz. 35c) (¼ lb. \$1.10) (lb. \$3.65)

LARGE ROOTED or COFFEE. The roots are popular as a coffee substitute. The young leaves may be used for salad. Culture the same as carrots.

(Pkt. 10c) (oz. 30c) (¼ lb. 90c) (lb. \$3.25).

COLLARDS

SOUTHERN or CREOLE. Grown for its large leaves which are cooked as cabbage or greens.

(Pkt. 5c) (oz. 20c) (¼ lb. 60c) (lb. \$1.50).

CRESS

GARDEN CRESS or PEPPER GRASS. 40 days. It grows very quickly and is of the easiest culture. The finely cut leaves may be used for flavoring salads, for garnishing, or as a green in sandwiches. Used with lettuce, it adds an agreeably pungent taste.

(Pkt. 7c) (½ oz. 15c) (oz. 25c) (¼ lb. 75c).

TRUE WATER. The pleasant, peculiar flavor of water cress makes it one of the most delicate salads for table use. It will grow where there is a supply of good fresh water.

(Pkt. 10c) (½ oz. 40c) (oz. 75c) (¼ lb. \$2.50).

CORN SALAD

CORN SALAD. A most refreshing salad. Hardy, much used during winter instead of lettuce. May be sown in open either in the spring or fall.

(Pkt. 5c) (oz. 20c) (¼ lb. 60c).

ALL PRICES POSTPAID

CARROTS	Days	Pkt.	Oz.	¼ lb.	lb.	5 lbs.	10 lbs.
Nantes Strong Top	70	\$.10	\$.25	\$.75	\$2.25	\$9.75	\$18.50
Tuchon	70	.10	.25	.75	2.25	9.75	18.50
Chantenay, Long Type	72	.10	.25	.70	1.85	9.00	17.50
Danvers Half Long	75	.10	.25	.70	1.90	9.00	17.75
Imperator Long Type	75	.10	.25	.70	2.00	9.25	18.00
Imperator Long Type (Short Top).....	75	.10	.25	.75	2.25	9.75	18.50
Imperida	75	.10	.30	.75	2.25	9.75	18.50
California Bunching	77	.10	.25	.75	2.25	9.75	18.50
Streamliner	80	.10	.25	.70	2.00	9.25	18.00
Morse Bunching	77	.10	.25	.75	2.25	9.75	18.50
Danvers Red Core.....	75	.10	.25	.70	2.00	9.00	17.75
Mastodon or White Belgian (Stock)	90	.05	.15	.45	1.40	6.50	12.50

1 lb. plants 150 hills;
10 lbs. plant an acre

SWEET CORN

Our corn seed is all
Idaho grown

CULTURE: A rich, warm sandy soil is the best, but excellent sweet corn can be raised on any good, ordinary soil if it is deeply and thoroughly worked before planting. In the West sweet corn should be planted as early as can be done without risking great loss from frosts. If planted in rows, make the rows about 3 feet apart and place the seed 14 to 16 inches apart in the rows, covering 1 inch deep with fine soil pressed firmly down. If planted in hills, make the hills for the early variety 3 to 3½ feet apart and plant 6 kernels to the hill. For the later sorts, the hills should not less than 3½ feet apart and when 6 inches high thin so as to leave 3 or 4 plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.

HYBRID VARIETIES

Hybrid corns are of special value to market and home gardeners because of their better qualities and increased yield.

The husk of most Hybrid varieties is much tighter around the ear right up to the tip and this feature keeps the kernels tender a longer time. Also is quite a protection against ear worms. Resistant to wilt.

EARLY GOLD RUSH. The best first early yellow Hybrid. Ears as large as Golden Cross and nearly two weeks earlier. Stalks 6 ft., good foliage. Ears 8½ in., well filled, 12 to 14 rows. Kernels tender, sweet, attractive yellow with light husk.

EARLY GOLDEN ROCKET. Stalks 6 feet producing large attractive ears of 10 to 14 rows of excellent kernels. Especially suited for gardeners growing for profitable early market.

SPANCROSS IMPROVED. 66 days. Extra early, somewhat resistant to cold. Ears 6 to 7 inches with about 12 rows of yellow kernels, uniform in maturity, good quality, stalks 4 feet, stocky.

MARCROSS NORTHERN (Top Cross). This variety gets more popular each year. The largest eared (8 inch), early variety with 14 to 16 rows of tender, sweet, deep kernels; stalks 5½ to 6 feet. For main early crop we recommend this variety.

TENDERGOLD (Top Cross). A good, highly productive variety. Stalk sturdy with good foliage; highly resistant to disease. Ear nearly cylindrical, 12-16 rowed, kernels medium in width and depth, golden yellow, tender and of very good quality.

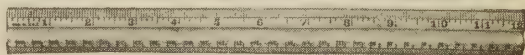
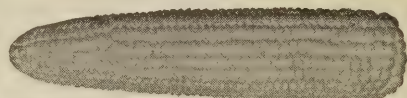


IOCHIEF

IOCHIEF. An outstanding, very productive Hybrid regarded by many as yielding the finest quality eating corn. Ears set well up on 7½ feet stalks and are long, 8½ to 9 inches, filled to the tips with 16 to 20 rows of very deep, narrow, golden yellow kernels with good husk coverage. Drought resistant. Especially adapted for mid-season or second crop. Holds prime quality well in the field.

MIDGET HYBRID. A new, early variety especially suited for small garden or limited space. Stalks 3½ feet tall producing 2 ears 6 inches long of 8 rows of light yellow, sweet, good quality kernels.

GOLDEN CROSS BANTAM ELITE



GOLDEN CROSS BANTAM ELITE STRAIN. An extremely uniform strain; a little taller and more vigorous with 8 inch cylindrical ears of 12 to 14 rows of rich yellow, deeper kernels than regular Golden Cross; of fine eating quality; heavy yielder. Recommended for market gardener trade.

GOLDEN CROSS BANTAM. The outstanding main crop hybrid corn among market gardeners, home gardeners, freezers, and shippers as it is very productive and excels most other varieties in eating qualities. Stalks 6 feet, heavy foliage bearing two fine ears 8 inches long of 10 to 14 rows of yellow, plump, excellent flavored kernels.

GOLDEN EVERGREEN (Hybrid). Plants 7 feet tall, vigorous, uniform, comparatively free from suckers. Leaves wide, dark green, and numerous. Ears 7½ to 8 inches of 14 to 16 rows with long husks affording considerable resistance to ear worms. Kernels lustrous, golden yellow, medium, narrow, and deep, tender sweet and of excellent quality.

BURBANK NORTHERN CROSS. Past two seasons has proven an outstanding variety with large market growers. Stalks 6 to 7 feet; ears 8 to 9 inches; uniform with 12 to 16 rows of deep, yellow kernels. Hardy prolific, resistant to wilt and ear worms.

NON-HYBRID VARIETIES

EARLY GOLDEN SWEET. 70 days. A fine extra early sweet corn, 5 to 10 days earlier than Golden Early Market. Especially recommended for sections with short growing season. Ears good size; kernels deep yellow, tender, and sweet.

GOLDEN EARLY MARKET. Valuable first early yellow variety, producing large attractive ears with 12 to 14 rows of moderately broad kernels of good depth. Stalks sturdy with abundant medium dark green foliage. A profitable early home garden and market sort.

SWEET CORN

NON-HYBRID VARIETIES (Continued)

EXTRA EARLY GOLDEN BANTAM. A new strain of Golden Bantam producing marketable ears about a week earlier than regular Golden Bantam. Ears 7 inches. Cob small filled with 8 rows of rather broad, good quality, tender, golden kernels. Stalks 6½ feet.

IMPROVED GOLDEN BANTAM. A strain of Golden Bantam that is extremely hardy withstanding unfavorable weather. Produces 1 and 2 uniform large ears of 10 to 14 rows of yellow, tender, deep kernels on 7 ft. stalks.

GOLDEN GIANT. 88 days. A midseason yellow variety. Ears rather thick at the butt, 12 to 16-rowed. Kernels golden yellow.

EARLY ADAMS. 80 days. Used throughout the country for **Roasting Ears**; 12 to 14 rows; reasonably tender and sweet when young. Can be planted early as will stand more cold and damp weather than other sweet corn.

EARLY EVERGREEN. 90 days. The ears of this fine corn are 10 inches long, having 14 to 18 rows of deep kernels of excellent flavor. A magnificent kind for market gardeners and for second early crop in the home garden. It ripens one week in advance of Stowell's Evergreen but ears are not quite as large. Remains green a long time.

STOWELL'S EVERGREEN. 97 days. The best known late variety of sweet corn. Highly desirable for home and market garden and used extensively by canners. Stalks sturdy and erect; ears 2½ inches thick, uniform, 16 to 20-rowed. Kernels clear white, deep, medium width, sweet and tender. Holds well in prime condition at eating stage.



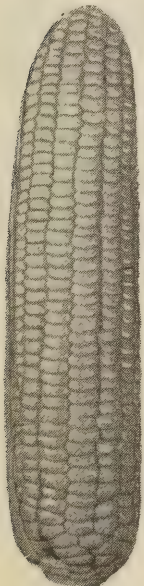
GOLDEN EARLY
MARKET

EXTRA EARLY
GOLDEN BANTAM

IMPROVED GOLDEN
BANTAM

COUNTRY GENTLEMAN. 95 days. A late prolific variety of excellent quality, used widely by canners. Also desirable for home and market gardens for late crop. Stalks often with two ears. Kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation.

BLACK MEXICAN. 90 days. Highly popular for home and market garden use. Ears 8-rowed. Kernels tender, very sweet, white at eating stage, changing to blue-black at maturity.



BURBANK
NORTHERN

SWEET CORN PRICES

Hybrid Varieties, pkt. 10c; ¼ lb. 20c	POSTPAID				NOT POSTPAID		
	Days	½ lb.	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Burbank Northern Cross.....	80	\$.35	\$.70	\$3.20	\$4.65	\$10.00	\$37.00
Early Golden Rocket	67	.35	.70	3.25	4.75	11.50	43.50
Early Gold Rush	66	.30	.60	2.85	4.50	9.50	37.00
Golden Cross Bantam	80	.30	.60	2.75	4.40	9.25	36.00
Golden Cross Bantam Elite	80	.35	.70	3.25	4.75	11.00	40.50
Iochief	83	.35	.70	3.25	4.75	11.50	43.50
Evergreen Hybrid	83	.35	.70	3.25	4.75	11.00	40.50
Marcross Northern	70	.35	.65	3.00	4.50	9.50	37.00
Midget Hybrid	66	.35	.70	3.25	4.75	11.00	40.50
Spangcross Improved	69	.30	.65	3.00	4.50	9.50	37.00
Tendergold	76	.30	.65	3.00	4.50	9.50	37.00
Open-Pollinated Varieties—Pkt. 10c, ¼ lb. 15c							
Golden Giant	85	.25	.45	1.75	2.50	5.50	21.00
Country Gentleman	95	.25	.45	1.75	2.50	5.60	21.00
Early Adams	80	.20	.35	1.40	2.00	4.50	16.00
Early Evergreen	92	.25	.45	1.75	2.50	5.50	21.00
Early Golden Sweet	70	.25	.45	1.75	2.50	5.50	21.00
Extra Early Golden Bantam	72	.25	.45	1.85	2.75	5.65	21.50
Improved Golden Bantam ..	80	.25	.45	1.75	2.50	5.50	21.00
Golden Early Market	74	.25	.45	1.75	2.50	5.50	21.00
Stowell's Evergreen.....	97	.25	.45	1.75	2.50	5.50	21.00
Black Mexican	88	.25	.45	1.75	2.50	5.50	21.00

CELERY

1 oz. for 5000 plants; ¼ lb. for an acre

SELF-BLANCHING OR GOLDEN VARIETIES

CULTURE: Golden Self-Blanching Varieties. For the early summer crop seed should be started in hotbeds the middle of March, and we suggest close attention, keeping the seed beds moist and giving plenty of air when the temperature is not too cold. Between the 1st and 20th of May plants should be transplanted in single rows 3 feet apart, or if in double rows 3½ feet apart; set the plants 8 to 10 inches apart in the rows. After the plants have started to grow frequent cultivation and watering are necessary but not an abundance of water at one time. Regular spraying or dusting against diseases should be started after the plants

reach a height of 10 inches, and continued until the crop is about ready for harvest.

GOLDEN SELF-BLANCHING (TALL STRAIN). The earliest and largest of the self-blanching varieties. Extensively used as a summer crop. Plants, tall, 20 to 30 inches. Stalks medium thick, blanches very readily to a golden yellow color.

PASCAL OR GREEN VARIETIES

CULTURE: Pascal and Utah Varieties. For earliest crop, to be ready for market or home use about July 15, seed should be sown indoors or in hotbeds around March 5, and for later crops seed may be sown any time up to the last of April. Late seeding can be started in cold frames or even in beds out of doors. For early crop transplant to open ground or field about May 1 and for later crop transplanting can be successfully done as late as July 20. Pascal is usually grown in single rows 30 to 36 inches apart and plants set 8 inches apart in rows or can be grown in double rows 3 to 3½ feet apart. Regular dusting or spraying is advisable. When the plants have about reached their growth, the stalks can be bleached by wrapping paper around each stalk while still growing in the field. However, many markets prefer unbleached but matured Pascal. For celery to be carried over after November 1 protection against freezing is necessary, which is done by placing the celery in trenches about 12 to 14 inches wide and deep enough so that when the field plants are taken up with plenty of roots and placed in the trench, just the very top leaves are above the ground. Cover with straw or litter. The warmer the trench the faster celery bleaches.

HARTNER'S COLORADO GIANT PASCAL. This strain is a careful selection of the delicious Colorado pascal. Plants are of medium height; have thick, large, well-rounded firm stalks of finest nutty flavor and crispness highly suited for both paper and trench blanching. Excellent keeper.

WEIRICH'S STRAIN PASCAL. (Colorado grown seed.) Plants large; stalks are medium length, thick and firm. An easy bleaching variety suitable for both papering and trenching, and free from soft stalks and seeders.

TALL UTAH 52-70. Tallest of Utah varieties. Plants erect and compact. Stems are numerous, long, straight, thick, rounded, medium green with a waxy sheen, crisp, fleshy and of good quality. Leaves are moderately large, deeply cut. In comparison to Tall Utah No. 15 and 10B, plants are 1 to 2 inches taller; leaves darker green; stems 1 to 2 inches longer, thicker, smoother with a more waxy sheen and show less disease symptoms.

EARLY UTAH 10-B. The most attractive and leading variety of green or summer pascal. Plants tall, 26 to 28 inches; compact; erect. Stems long, 8 to 11 inches; straight, rounded, thick. Waxy in appearance and full hearted.

UTAH NO. 15. Plants are large with full heart, erect; height 26 inches. Stems 8 to 10 inches, broad, somewhat rounded and crisp leaves. Dark green.

SUMMER PASCAL or SUMMER QUEEN. Ours is the Waltham strain which has proven best. Plants 25 to 26 inches, erect, compact, full hearted; stems thick, rounded, smooth, waxy, brittle and of excellent quality. Blanches more readily than other large green varieties. No other strain of celery has met such great acceptance. A very good variety for keeping in storage or trenches.



CELERY PLANTS—
See
page
38.

ALL PRICES POSTPAID

CELERY, SELF-BLANCHING OR GOLDEN VARIETIES

Golden Self-Blanching

	Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Tall Strain	85	\$.15	\$.60	\$.90	\$2.90	\$10.00

PASCAL OR GREEN VARIETIES

Hartner's Colorado

Giant Pascal	110	.25	1.50	2.75	7.50	27.00
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Weirich's Strain Pascal	110	.25	1.50	2.75	7.50	27.00
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Summer Pascal or

Summer Queen	110	.20	.90	1.70	5.00	15.00
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Giant Pascal	110	.10	.45	.80	2.50	8.00
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Tall Utah 52-70.....	118	.25	1.10	2.00	7.00	25.00
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Utah No. 15.....	120	.10	.60	.95	3.25	12.00
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Early Utah 10-B.....	115	.10	.60	.95	3.25	12.00
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CUCUMBERS

One oz. to 60 hills; 2 lbs. per acre in hills, 4 lbs. in drills



SURE CROP HYBRID

CULTURE: Cucumbers prefer a heavy loam. After danger of frost has passed, plant the seed $\frac{3}{4}$ inch deep in rows 4 feet apart. Drill about 3 pounds seed to the acre and when plants have 4 or 5 leaves, thin to 1 plant every 18 inches. Can also be planted in hills 3 to 4 feet apart. Cultivate often and irrigate about once a week. Keep the cucumbers picked as fast as they reach the size desired. If fruits are allowed to remain on the vine, the vines cease to bear fruit.

WE CATALOG ONLY THE LEADING VARIETIES

SLICING VARIETIES

SURE CROP HYBRID. All American Selection.

Extremely vigorous. Vines live and produce after other varieties have ceased or died. Highly disease resistant. Produces one-fourth to one-third more fruit which are medium to long, straight. Color is good with slight mottling. Seed cavity small.

STAYS-GREEN (Black Diamond). 60 days. Extremely early, heavy yielder. Fruits 8 inches long, very dark green, retains its color long after picking. Splendid for shipping.

MARKETER. This early cucumber has become the leading variety with the market and shipping trade as well as a favorite with the home gardener as the vines are very vigorous and a very heavy yielder. Fruits are attractive, uniform, dark green, 8 inches long, trim in appearance, tapered at each end.



NATIONAL PICKLING

THE COLORADO. (Or A. and C.) A beautiful long, slender, dark green cucumber commanding a premium on the critical markets. It is a vigorous, productive variety.

STRAIGHT "8". 70 days. Is uniformly cylindrical, almost from end to end. Averages 8 inches long. Produces very few ill-shaped fruits. Desirable as a shipping variety.

NIAGARA. Mosaic resistant slicing cucumber with strong, vigorous vines and heavy leaves. Vines stand up much longer than most varieties. Fruits straight, good length, well colored. Outstanding for late crop.

CUBIT. 70 days. Of special merit. 8 inches long. Same type as Colorado, but with straight sides and round ends, dark green color which is well carried to blossom end.

IMPROVED LONG GREEN. 70 days. Excellent for home garden. Where a two-purpose variety is desirable it is suitable for pickling and dill size as well as slicing cucumbers. Hardy and prolific. Fruits deep green, straight, slightly tapered; flesh very white and crisp.

PICKLING VARIETIES

PRODUCER PICKLING. A new distinctive pickling variety bearing high per cent of female blossoms near the base of more compact vines resulting in earlier and heavier yields.

NATIONAL PICKLING. A late development by the National Pickle Association and is claimed to produce more pickles of uniform shape and size than any other variety. Is black spine type, rather blocky in form.

CHICAGO PICKLING. 59 days. Grown extensively for the large pickling establishments throughout the country. Fruit is medium, pointed at each end, deep green color.

GHERKIN WEST INDIA. Bears small cylindrical green fruits $1\frac{1}{2}$ inches in diameter covered with small elastic spines. Excellent as sweet pickles. Seed very small.

LEMON CUCUMBER—For preserves and pickling.

ALL PRICES POSTPAID

CUCUMBERS, SLICING VARIETIES	Days	Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	Lb.
Stays-Green.....	60	\$.10	\$.20	\$.65	\$1.10	\$2.00
Marketer	60	.10	.25	.75	1.25	2.30
The Colorado	67	.10	.25	.75	1.25	2.25
Cubit	62	.10	.25	.75	1.25	2.30
Improved Long Green.....	70	.10	.20	.70	1.20	2.10
Straight "8"	68	.10	.25	.70	1.20	2.25
Niagara	70	.10	.25	.75	1.40	2.60
Sure Crop Hybrid	62	.25	2.75	8.75	16.50	30.00
PICKLING VARIETIES						
National Pickling	56	.10	.20	.65	1.15	1.90
Producer Pickling	55	.10	.25	.70	1.20	2.10
Chicago Pickling	59	.10	.20	.65	1.10	1.90
Gherkin West India	60	.10	.25	.75	1.35	2.35
Lemon Cucumber .....	....	.10	.20	.60	1.10	

DILL - EGGPLANT - ENDIVE - GARLIC

DILL



LONG ISLAND MAMMOTH

LONG ISLAND MAMMOTH. The best and largest dill. Leaves and stems used for flavoring, especially pickles. An easily grown annual. Early in May drill in rows 2 to 2½ feet apart. 1 oz. will plant 100 ft. Cultivate frequently until it starts to head, keep free from weeds.

(Pkt. 10c) (oz. 20c)
(¼ lb. 50c) (lb. \$1.50).

EGGPLANT

1 oz. will produce about 1,200 plants; ¼ lb. will plant an acre

CULTURE: A rich, sandy warm soil produces the best plants and yields the highest number of fruits. Seed should be started indoors or in hotbeds sometime during February. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

FORT MEYERS MARKET. A productive high bush variety. Plants 30 inches; vigorous and upright holding fruits well off the ground. Fruits egg-shaped, 9 to 10 inches long, 5½ to 6½ inches in diameter, broadest at blossom end. Deep purplish-black.



FORT MEYERS MARKET

BLACK BEAUTY. Plants 24 to 28 inches tall. Usually bears 4 to 6 large, broad to oval, rich dark purple firm fruit.

NEW YORK IMPROVED. A spineless purplish fruited variety. Vigorous grower and very productive. Fruit large oval, smooth and dark purple.

FLORIDA HIGH BUSH. Plants are large and up-standing in growth, bear fruit off of the ground. Fruits are elongated, cylindrical and purple in color. It is a heavy yielder.

EGGPLANT PLANTS. See page 38.

ENDIVE

1 oz. to 100 ft. of drill; 4 lbs. will plant an acre
CULTURE: For early crop, sow April 15th. For main crop, sow June 15th to July 10th. Sow seed in rows 12 to 24 inches apart and when well established, thin to 1 plant per 10 inches. When the plant reaches maturity the inner leaves start to blanch a creamy white; this can be hurried by tying the outer leaves together or covering the plant with litter.

GREEN CURLED RUFFEC. Best of green curled varieties an inch broad; midribs or stems are green to creamy white instead of pink; leaves are dark green, finely but deeply cut.

DEEP HEARTED FRINGE. Leaf type, is between Full Heart Batavian and Green Curled but more upright in growth than either forming extra deep, well filled hearts which blanch to a creamy yellow.

FULL HEART BATAVIAN (Escarolle). An improved Broad Leaved Batavian. Plants medium large with deep, full, compact, well-blanchd heart of infolded broad leaves of buttery texture.

FENNEL

FLORENCE FENNEL (Finocchio). Plants 30 in. Grows similar to celery but forms oval bulb at base which is used like celery. Has sweet anise flavor. (Pkt. 10c; ½ oz. 35c; 1 oz. 60c).

GARLIC SETS

We have selected a lot of good, clear bulbs that will all grow. Those who are fond of this vegetable for flavoring can easily raise their own supply. Separate the bulb into cloves and plant 4 inches apart in rows.

(¼ lb. 20c) (1 lb. 55c) (5 lbs. \$2.25).

HERBS

ANISE. Annual; 14 inches, grow for aromatic seed. Used in flavoring. (Pkt. 10c) (½ oz. 25c) (oz. 40c).

BASIL. Annual; 12 inch leaves. Fragrant, somewhat spicy, useful for seasoning. (Pkt. 10c) (½ oz. 20c) (oz. 35c).

BORAGE. Annual; leaves used in salads and drinks. Excellent for bees. (Pkt. 10c) (½ oz. 30c) (1 oz. 50c).

CARAWAY. Biennial; 18 inches, produces seed first year, used in flavoring bread, cakes, cheese, etc. (Pkt. 10c) (½ oz. 20c) (oz. 30c).

CATNIP. Perennial; 2½ feet, young leaves and shoots used for seasoning. Dried leaves for tea. (Pkt. 10c) (½ oz. 30c) (oz. 45c).

CHIVES. Perennial; member of onion family, used for flavoring. (Pkt. 10c) (½ oz. 30c) (oz. 50c).

ALL PRICES POSTPAID

EGGPLANT	Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Black Beauty	80	\$.10	\$.25	\$.45	\$1.50	\$5.50
New York Improved.....	83	.10	.25	.45	1.50	5.50
Fort Meyers Market.....	83	.10	.30	.50	1.60	6.00
Florida High Bush.....	85	.10	.30	.50	1.60	6.00
ENDIVE						
Green Curled Ruffec.....	76	\$.10	\$.15	\$.20	\$.60	\$2.00
Full Heart Batavian.....	72	.10	.15	.20	.60	2.00
Deep Heart Fringed.....	75	.10	.15	.20	.60	2.00

Herbs - Kale - Kohlrabi - Leek - Mustard

CORIANDER. Annual; 2 feet, seed chiefly used by packers and confectioners. Also used in medicine. (Pkt. 10c) (½ oz. 25c) (oz. 45c).

FENNEL SWEET. Perennial; seed used for flavoring confections and medicine. Leaves used in fish sauces. (Pkt. 10c) (½ oz. 30c).

HOREHOUND. Perennial; has strong aromatic odor, leaves used for seasoning; extract used in medicinal preparations. (Pkt. 10c) (½ oz. 20c) (oz. 30c).

MARJORAM SWEET. Perennial; of aromatic and pungent flavor, tender leaves used in seasoning. (Pkt. 10c) (½ oz. 30c) (oz. 45c).

ROSEMARY. Perennial; has warm bitter flavor, leaves used in seasoning. (Pkt. 10c) (¼ oz. 30c) (oz. 45c).

SAGE, BROADLEAVED. Used in dressing, sausage, etc. When once started will last for years. Should be in every garden. Sow in the open ground. Thin to six inches apart.

(Pkt. 15c) (½ oz. 30c) (oz. 50c).

SAGE PLANTS. See page 38.

SAVORY. Annual; 10 inch leaves and shoots used for seasoning.

(Pkt. 10c) (½ oz. 20c) (oz. 30c).

THYME. BROADLEAVED. Perennial; used for seasoning, also used as tea for nervous headache. (Pkt. 15c) (½ oz. 40c).

MIXTURE ANNUAL HERBS. (Large Packet 15c).

MIXTURE PERENNIAL HERBS. (Large Packet 15c).

LEEK

1 oz. will sow 100 ft.; 4 lbs. will sow an acre

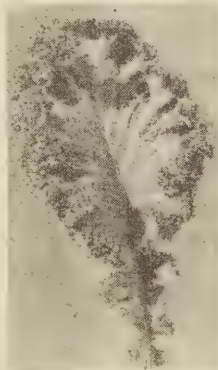
A species of onion which does not form a bulb, but is used for its mild, delicious root stem or neck. It is much sweeter and milder than the onion, being used mostly for flavoring where the onion taste is desired, or it can be boiled the same as boiling onions and served with butter and seasoning.

AMERICAN FLAG. A well-known, hardy, strong growing and producing long white stalks.

MONSTROUS CARENTAN.

Stems are large and white. Of very good flavor.

Either above varieties: (Pkt. 10c) (½ oz. 25c) (¼ lb. \$1.50) (lb. \$4.75).



SOUTHERN GIANT
CURLED LONG
STANDING



EXTRA EARLY
WHITE VIENNA

HORSERADISH SETS

See page 38.

KOHLRABI

1 oz. will sow 200 ft.; 4 lbs. will sow an acre.

CULTURE: This vegetable, when young, is fine for table use. Combines the flavor of both cabbage and turnips. For early crop, sow in hotbeds, transplant, and cultivate like early cabbage. For winter use, sow in rows in the middle of June or first of July, transplanting or thinning to 8 inches apart.

EXTRA EARLY WHITE VIENNA, SHORT-LEAVED.

50 days. New early strain, short-leaved with slender stems; bulbs globular light green. When 2 to 3 inches in diameter best eating stage; flesh clear white, tender and crisp.

(Pkt. 10c) (½ oz. 20c) (oz. 35c) (¼ lb. 90c) (1 lb. \$2.90)

KALE

1 ounce to 200 ft.; 4 lbs. to an acre

CULTURE: Sow seed in May in rows 2 feet apart and thin to 10 to 18 inches apart. Withstands a great deal of frost.

DWARF GREEN CURLED. Very hardy. Plants 12 to 15 inches tall with 30 inch spread. Compact, leaves plume-like, finely curled, deep yellowish-green.

(Pkt. 10c) (oz. 20c) (¼ lb. 50c) (lb. \$1.75).

MUSTARD

1 oz. to 100 ft.; 1 lb. drilled to acre, 2 lbs. broadcast

CULTURE: The leaves are used as a salad or may be boiled like spinach. Sow seed very shallow in any good garden soil early in the spring, in rows 1½ to 2 feet apart or seed can be broadcast in beds. Several sowings a week or so apart give tender leaves throughout the season.

SOUTHERN GIANT CURLED, LONG STANDING.

Will remain in field longer than regular Southern Curled before bolting to seed. Most popular for greens. Leaves long and wide, light green, tinged with yellow, heavily crumpled and curled at the edges.

OSTRICH PLUME or FORDHOOK FANCY. Upright-growing, mild variety, slow to bolt to seed stalks; leaves bright green, plume-like and deeply fringed on the edges.

FLORIDA BROADLEAF. A vigorous, large, smooth leaved, long standing variety, good edible qualities.

TENDERGREEN or SPINACH MUSTARD. Quick growing, fine, tender mustard, with spinach flavor. Leaves oblong, broad, fairly smooth.

ALL PRICES POSTPAID

MUSTARD

	Days	Pkt.	Oz.	¼ lb.	½ lb.	Lb.
Southern Giant Curled, Long Standing.....	60	\$.08	\$.15	\$.45	\$.70	\$1.25
Ostrich Plume or Fordhook Fancy.....	50	.08	.15	.45	.70	1.25
Florida Broadleaf	50	.08	.15	.45	.70	1.25
Tendergreen or Spinach Mustard.....	46	.08	.15	.45	.70	1.25

LETTUCE

ICEBERG VARIETIES

1 oz. for 2000 plants or 100 ft. of drill;
1 to 2 lbs. per acre

CULTURE: It is not difficult to grow good head lettuce, but it is necessary to first have good seed of the proper variety and suited to your conditions. Also necessary is good soil and water so as to insure steady growth from the time the seeds are planted until the heads are ready to use. Unless the soil is rich, we recommend liberal amount of manure or commercial fertilizer.

For large acreage, the most successful and best way is to plant 2 rows of beds 16 inches wide and 6 inches high with 24 inches between the beds for irrigation ditch or can be planted in single rows 20 inches apart. Two weeks after it comes up it is usually large enough to be thinned to single plants to a distance of at least 14 inches. Keep crop clean of weeds at all times. Cultivate thoroughly but not deep. Ground should not become dry but care must be used in irrigating.

In the past few years the development and introduction of new varieties has been so fast that but few seed houses or planters have been able to keep up with the progress. We have devoted a large acreage in the mountains of Colorado—on our farm south of Denver, also in Arizona and California, to the trials and development of new varieties and strains. We carry in stock and offer to our customers only those varieties which we have found best.



PREMIER or EARLY GREAT LAKES

PREMIER GREAT LAKES—EARLY GREAT LAKES.

80 days. Selected from a single plant for earliness, smoothness, lack of ribbiness and uniformity of heading. Outer leaves not as crinkled as regular Great Lakes. Slightly gray green in color. Heads well rounded with smooth base and small ribs. Yield a very high per cent of marketable heads. In one year it has become popular especially for planting in Rocky Mountain area.

GREAT LAKES IMPROVED. 85 days. Medium early strain selected for it is resistant to tipburn and sun heat; bright green color; large outer leaves that stand erect and protect the large, well rounded firm to solid heads. Produces a high per cent of solid heads in warm weather.

GREAT LAKES—LATE GOLD SEAL STRAIN. 90 days. This variety is the most universally planted as due to its resistance to tipburn, etc., it produces a very high per cent of large, uniform, round heads well covered with dark green, large, heavily fringed outer leaves.

NEW YORK PW 55. One of the surest heading varieties and unusually resistant to tipburn and slime. It is the result of many years of selection. Both in summer and fall will produce a high percentage of beautiful hard, symmetrical, well-rounded heads but somewhat small unless grown on good, fairly rich soil.

NEW YORK 315. An excellent strain of New York for mountain, high altitude crops as it is a good header and slow to tipburn and bolt to seed. A rapid grower; heads large, well formed and slow to slime. At heading time it likes liberal amount of water.

NEW YORK 199. An early variety; resistant to tipburn. Heads medium large, compact, attractive.

NEW YORK 12. An early variety; heads light green, rather flat.

NEW YORK 515 IMPROVED. Similar to New York 12 in habits and type of plant, but produces a larger percentage of marketable heads. Especially suited for warm weather.

IMPERIAL 815. A sturdy, robust strain selected from 847. One of the best strains for Colorado but must be grown with care as it is a tight header and if weather is hot may tipburn and slime. Will not stand long in the field when ready to harvest. We recommend at least 2 or 3 cuttings. Don't wait until the entire crop has matured. It produces a surprisingly high per cent of No. 1 heads which are large, solid and of fine appearance. Likes frequent and light waterings. Best suited for early summer and late fall crops.

IMPERIAL 44. Heads medium large, slightly flattened, compact, one of the best hot, dry weather varieties; used extensively in the East and in Arizona for an early crop.

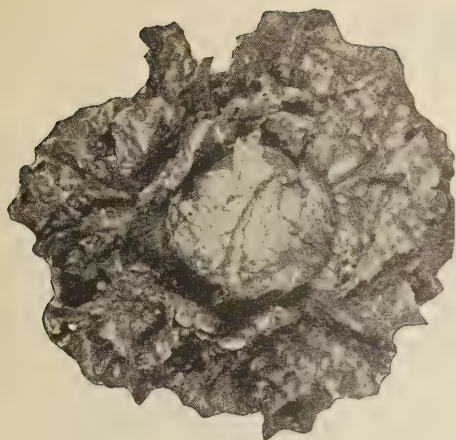
IMPERIAL 615. A variety that does best in cool weather. Withstands frost and cold better than other varieties, not especially recommended for Colorado but does well in Arizona and California during the winter months.

IMPERIAL 847. Heads uniform, good size; solid and usually round. Does unusually well in cool weather.

CORNELL 456. Adapted for growing on muck soils; similar to Great Lakes except slightly smaller and of lighter green color.

PROGRESS. A new variety crossed with Imperial No. 44 which has proven very favorable and fitted to western climatic conditions, but does not meet adversities like Great Lakes. Produces a high percentage of marketable heads which are medium large, well formed, and not as rough as Great Lakes. Leaves, thick, dark green, and heavily curled.

IMPERIAL 152. Especially adapted to Arizona and California for fall crops, but for Colorado and all the Rocky Mountain region we found 815 a better sort. No. 152 produces large yields of good solid, fine appearing heads, but is quick to slime in hot weather.



NEW YORK 55

LEAF AND LOOSE HEAD VARIETIES

CULTURE: Growing of the loose heading varieties is much the same as the New York varieties but much easier to grow. However, sow in 15-inch rows and thin the leaf varieties to 4 inches apart and the Big Boston to 7 inches apart as soon as a few leaves are formed. For an early crop plants can be sown in hotbeds and transplanted to the open field.

SALAD BOWL. All American Gold Medal. Produces a bushy, rosette plant 6 to 8 inches in diameter; leaves are rather short, closely set, deeply cut of very tender texture; grows fast, slow to bolt, even in hot weather retains its table quality.

PRIZE HEAD. A large, loose-headed variety, leaves large, very curly, bright green tinted on edges with reddish brown; very crisp, sweet and tender. Desirable for home garden.

LETTUCE

HANSON. A very fine large semi-heading variety; leaves curled on the edges; light yellowish green. Crisp and brittle; very fine flavor; very best home garden variety.

GRAND RAPIDS. Most extensively used leaf lettuce. Plants upright. Leaves light green, large, broad, much waved and frilled.

GRAND RAPIDS TIPBURN RESISTANT, WASHINGTON STRAIN. A new introduction. Recommended for greenhouse culture. Tipburn resistant under glass; however, does well outdoors. Heavier in structure and slower to seed than regular Grand Rapids.

BLACK SEEDED SIMPSON. Withstands summer heat better than other varieties. Plants large, attractive, compact, with broad, light green leaves crumpled and frilled on the edges; crisp and tender.

OAK LEAF. An old variety but of late has become very popular for home gardens. Leaves are rich dark green, lacerated and tender, withstands hot weather.

BIBB. The most palatable lettuce. A very dark green butter-head variety; rather small, loosely headed; leaves smooth with thick main rib; excellent quality. Does best if planted early.

ROMAINE OR TRIANON COS. The earliest and tallest romaine; leaves broad and long, medium green, slightly crumpled.

ROMAINE DARK GREEN COS. A medium large, dark green variety which forms a good sized, firm, well folded head with light green interior.

ALL PRICES POSTPAID

LETTUCE, ICEBERG VARIETIES		Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.	5 Lbs.
Great Lakes Gold Seal Strain.....	89	\$.10	\$.30	\$.50	\$1.50	\$4.50	\$19.00	
Great Lakes Improved	88	.15	.30	.50	1.60	4.75	20.00	
Premier Great Lakes Early.....	83	.15	.30	.50	1.60	4.75	20.00	
New York PW 55.....	83	.10	.25	.45	1.10	3.50	17.00	
Imperial 815	84	.10	.20	.35	1.00	3.25	15.25	
New York 315.....	85	.10	.20	.35	1.00	3.35	15.45	
Imperial 44	82	.10	.20	.40	1.00	3.25	15.50	
Progress	85	.15	.35	.55	1.65	4.75	20.00	
Imperial 847	84	.10	.20	.35	1.00	3.00	14.00	
Cornell 456	83	.10	.25	.40	1.40	4.25	19.50	
New York 199.....	85	.10	.20	.35	1.00	3.35	15.40	
New York 12.....	85	.10	.15	.30	.80	2.75	12.50	
New York 515 Improved	85	.10	.20	.35	.90	3.00	13.75	
Imperial 152	87	.10	.20	.30	.90	2.75	13.25	
Imperial 615	88	.10	.20	.30	.80	3.00	14.00	
LEAF AND LOOSE HEAD VARIETIES		Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.	5 Lbs.
Hanson	80	.10	.12	.20	.60	2.00		
Salad Bowl	47	.15	.35	.60	1.80	5.25		
Grand Rapids	45	.10	.12	.20	.60	2.00		
Grand Rapids Washington Strain.....	45	.10	.12	.20	.60	2.10		
Oak Leaf	43	.10	.20	.30	.70	2.25		
Bibb	60	.10	.20	.30	.70	2.25		
Prize Head	46	.10	.12	.20	.60	2.00		
Black Seeded Simpson.....	46	.10	.12	.20	.60	2.00		
Romaine or Trianon, Cos.....	71	.10	.12	.20	.65	2.15		
Romaine Dark Green Cos.....	68	.10	.12	.20	.65	2.15		

ONIONS

1 oz. will sow 100 ft.; 4 to 5 lbs. for an acre

CULTURE: A crop of onions can be grown on any good soil but of course with fertilizer better results will be obtained. Ground should be well worked and pulverized, allowing no lumps or trash to mar the surface. The seed can be sown in the spring, just as soon as the ground can be prepared, as onion seed will germinate in cool weather. Sow about $\frac{1}{4}$ inch deep and in rows 12 to 16 inches apart. After they show an inch or two above the ground give them a good light hoeing, after which weeding must be done, and must be repeated whenever weeds appear until the tops lie down, then they should be topped and the bulbs allowed to dry before sacking. For extra large bulbs, thin out gradually so that they stand 3 to 4 inches apart. For real early onions sow seeds indoors in early February and transplant to field in April.

YELLOW VARIETIES

WINEGAR CERTIFIED YELLOW SWEET SPANISH.

This early Utah strain is the result of over 23 years of continued selection by Mr. Winegar with strict supervision of the Utah State Improvement Association. It is bred for earliness, uniformity, keeping qualities and large globular bulbs of firm flesh and heavy dark skin. Sold only in sealed bags.

SWEET SPANISH, PIETERS-WHEELER STRAIN.

A carefully developed and selected strain of the Utah Sweet Spanish. Considered by most large experienced onion growers as the top. Produces very uniform large bulbs of good dark golden color; globular in shape; flesh is firm and of mild flavor. Very few doubles and thick necks are produced.

EARLY IDAHO NO. 6 SWEET SPANISH. Selection out of Colorado No. 6 for earliness, keeping qualities, small neck, firmness and dark skin. It is about 10 days to two weeks earlier than Utah and Colorado No. 6; slightly shorter tops, almost no thick necks or doubles. Bulb is globe-shaped, and very firm, skin dark and tough, best sweet Spanish for winter storage. Account of its earliness is less apt to be damaged by fungus diseases.



EARLY IDAHO NO. 6 SWEET SPANISH



SWEET SPANISH
WINEGAR'S CERTIFIED UTAH STRAIN

SWEET SPANISH, COREY. An excellent strain of Sweet Spanish developed by Mr. Currier in the high altitudes of western Colorado through careful selection for many years resulting in uniform, firm bulbs with heavy dark skin and good keeping qualities.

SWEET SPANISH, UTAH JUMBO. This seed is the result of year after year careful selection of the largest and finest bulbs of Utah Yellow Sweet Spanish so as to get size and uniformity.

IMPROVED MOUNTAIN DANVERS. This new strain is better than regular Mountain Danvers in that the bulbs are deeper, more rounded, very solid, well covered with a tight fitting, thick, darker skin. An excellent keeper.

YELLOW GLOBE DANVERS. Bulbs medium large, round, yellow, firm, solid with small neck. Flesh white, with slight yellow tone.

EBENEZER. An excellent variety for producing sets of exceptional keeping qualities. Bulbs are medium size, thick and flat, dark yellow, very firm with thick skin.

AUSTRALIAN BROWN. An excellent keeping variety, bulbs chestnut brown, semiglobular with tight fitting skin. Used largely for sets.

EARLY GRANO (Babosa). Extremely early but not desirable for long keeping. Bulbs medium size, top-shaped, light yellow and very mild.

BERMUDA EXCEL (U. S. 986) YELLOW. Much earlier than the regular strain of Yellow Bermuda. It is deep flat shape, large bulbs. Skin yellow, flesh white and mild. Resistant to bolting and in every way a great advance in the Bermuda class. Very slow to bolt.

BERMUDA REGULAR STRAIN YELLOW. Bulbs, medium sized, flat, skin straw colored, flesh nearly white. Sweet and mild.

ONIONS

WHITE VARIETIES

DRAKOS WHITE SWEET SPANISH JUMBO CERTIFIED. This strain was developed in Utah and is the result of a continuous careful selection which has proven after five years to be not only the earliest but the best keeping of the White Sweet Spanish. Neck small; uniform bulb with clear, glistening, white, thick skin almost free of green tint and necks. Our seed was produced by originator. **We also can supply non-certified seed of top quality also produced by the originator, Mr. Drakos.**

WHITE SWEET SPANISH JUMBO. This new selection of Jumbo White Sweet Spanish yields the largest bulbs which are uniformly globe-shaped with small neck. Pure white skin and flesh. An exceptionally heavy yielder of large onions.

WHITE SWEET SPANISH, REGULAR. This is a good commercial strain. Bulbs uniform, medium to large, pure white.

EXTRA EARLY WHITE BARLETTA (Imported Seed). The most popular onion for pickling. If seed is sown thick will produce small marble size crystal white bulbs, firm and mild; also makes excellent table onion if pulled early.

WHITE PORTUGAL. An all purpose variety. Excellent when young as a table or bunching onion also as a boiler; if planted very close makes small pickling onion and sets. If allowed to mature produces medium size, flat but fairly deep, pure white bulbs; flesh fine grained, firm.

SOUTHPORT WHITE GLOBE. The best keeping white variety. Bulbs are round, medium size,

solid pure white and very attractive. The skin is thin, flesh fine grained and moderately mild.

WHITE LISBON BUNCHING (Imported Seed). The most widely used table onion especially suited to Rocky Mountain area. It produces long, slender, almost pure white, 6 to 7 inch stems from the root ends to the leaves or tops. Slow to form a bulb.



WHITE LISBON

CRYSTAL WAX (L-690).

A new, early, clear white, high sheen, flat but deeper and earlier than Regular Crystal Wax. Bulbs good size, uniform. Flesh very mild.

EVERGREEN LONG WHITE BUNCHING.

It is hardy almost everywhere. Can be planted either in spring or fall, but especially recommended as a mid-summer crop as it withstands heat. Produces long, white stems with strong, extra dark green, erect, somewhat flattened tops which are not affected by thrip or most onion diseases.

ALL PRICES POSTPAID. Write for Prices for Larger Amounts.

ONIONS, YELLOW VARIETIES

	Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.	5 lbs.
Winegar's Certified Yellow Sweet Spanish	115	\$.15	\$.40	\$.70	\$2.15	\$7.00	\$31.00
Sweet Spanish, Pieters-Wheeler Strain	112	.10	.25	.40	1.20	4.50	21.00
Early Sweet Spanish, Idaho No. 6	100	.12	.30	.50	1.65	5.50	26.50
Sweet Spanish, Utah Jumbo	118	.10	.25	.40	1.10	4.25	20.00
Sweet Spanish, Corey	118	.15	.35	.55	1.65	5.00	23.00
Sweet Spanish, Regular Utah Strain	115	.10	.25	.40	1.00	4.00	19.00
Grano or Early Yellow Babosa	98	.10	.25	.40	1.10	4.25	20.00
Australian Brown	100	.10	.20	.35	1.00	3.40	14.00
Mountain Danvers, Improved	105	.10	.25	.40	1.25	4.00	18.50
Yellow Globe Danvers	114	.10	.20	.35	1.00	3.50	14.25
Ebenezer	102	.10	.20	.30	.90	3.00	13.00
Bermuda Excel 986 Yellow	85	.15	.35	.55	1.65	5.00	20.00
Bermuda Regular Strain Yellow	92	.10	.25	.40	.80	3.00	14.50

WHITE VARIETIES

Drakos Jumbo White Spanish Certified	112	.15	.50	.75	2.35	7.75	36.25
Drakos Jumbo White Sweet Spanish	112	.12	.35	.55	1.70	6.00	28.00
White Sweet Spanish Jumbo	115	.12	.35	.50	1.60	5.50	24.75
White Sweet Spanish Regular	110	.10	.25	.40	1.10	4.50	20.00
Extra Early White Barletta (Imported)	90	.10	.25	.40	1.20	4.00	20.00
White Portugal	100	.10	.25	.40	1.20	4.00	17.50
Southport White Globe	115	.10	.25	.40	1.20	4.00	19.50
Crystal Wax L-690	95	.10	.25	.40	1.40	4.00	17.00
White Lisbon Bunching (Imported)		.10	.25	.40	1.10	3.60	16.00
Evergreen Long White Bunching		.10	.25	.40	1.10	3.65	16.00

ONION PLANTS

For very early onions and localities where the season is short and onions cannot be grown from field planted seed, but they can be produced from plants. The onion plants offered below are field grown in the Rio Grande Valley in Texas. We endeavor through frequent shipments to keep them as fresh as possible.

Prices by Parcel Post, Prepaid		100	1,000
Sweet Spanish, Yellow and/or White....	\$.30	\$2.50	
White Bermuda (straw color) .....	.30	2.50	
Crystal White Wax, Bermuda .....	.30	2.50	

Ask for Special Price on Crate Lots

ONION SETS—Colorado Grown

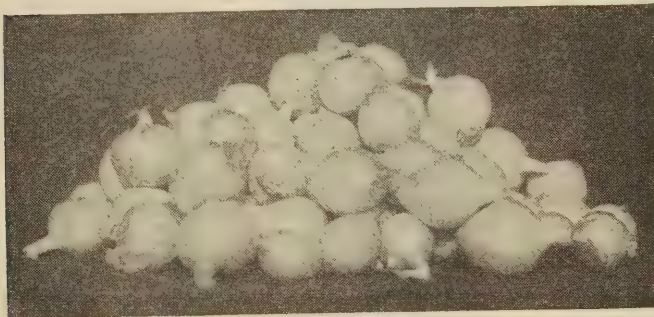
One quart of onion sets will weigh 1 pound; 32 pounds to bushel. Sets when planted will produce good green or table onions much earlier than if grown from seed. If allowed to remain in the ground,

will yield fine large onions for market or for household use 4 weeks earlier than if planted from seed.

PRICES POSTPAID	Qt.	4 qts.	8 qts.
Brown Australian			
Sets, bottom	\$.40	\$1.20	\$2.25
White Silverskin			
Sets, bottom .....	.40	1.25	2.40
Yellow Ebenezer			
Sets, bottom .....	.40	1.20	2.25

Write for prices on bushel lots.

SPECIAL: 1 qt. each of Red, Brown and White Onion sets, postpaid, 95c.



OKRA or GUMBO

CULTURE: When the ground has become warm, sow thickly in drills 3 feet apart, and when large enough thin out to a foot apart in the rows. One ounce will sow 30 feet of drill.

DWARF GREEN. Selected earliest variety and very productive. Plants dwarf, 2½ feet high; sturdy and well blanching pods, 4 to 4½ inches long; tender and fleshy.

TALL or PERKINS MAMMOTH. The long, green-colored pods, measuring 5 and 8 inches long, are produced in great quantities.

WHITE VELVET. The large pods are perfectly round, smooth, velvety white. Plant is dwarf, of compact branching growth and very prolific.

CLEMSON SPINELESS. A very uniform spineless strain of Perkins long podded type. Plants have less foliage, 3½ to 4 feet tall. Pods rich green, moderately ridged and straight.

PARSNIPS

1 oz. will sow 150 ft.; 4 to 5 lbs. required for an acre

CULTURE: Parsnips grow best in a loose, rich sandy loam, but will make good roots in any soil that is reasonably rich and deep. Sow as early as practicable in rows 2 to 2½ feet apart and after plants are 3 to 4 inches high thin to 3 inches apart. Keep the ground well worked and fairly moist. Parsnips

are improved by freezing, and a portion of the crop can be left in the ground all winter.

ALL AMERICAN. Roots large and broad-shouldered of medium length, fine texture, white color and small core with very few side roots.

HOLLOW CROWN or GUERNSEY. Roots are 12 to 15 inches long; 2½ to 3 inches thick at the shoulder. Tapered uniformly to the tip. Smooth, easily taken from the ground. Flesh fine grained, and good quality.



ALL AMERICAN

ALL PRICES POSTPAID

OKRA OR GUMBO		Days	Pkt.	Oz.	¼ lb.	½ lb.	Lb.
Dwarf Green	60	\$.10	\$.15	\$.40	\$.70	\$1.30	
Tall or Perkins Mammoth	62	.10	.15	.40	.70	1.25	
White Velvet	60	.10	.15	.40	.70	1.25	
Clemson Spineless	58	.10	.15	.40	.70	1.25	
PARSNIPS		Days	Pkt.	Oz.	¼ lb.	Lb.	5 lbs.
All American	95	\$.10	\$.17	\$.45	\$1.60	\$7.25	
Hollow Crown	95	.10	.17	.45	1.50	7.00	

PARSLEY

1 oz. will sow 100 ft.; 2½ lbs. will sow an acre

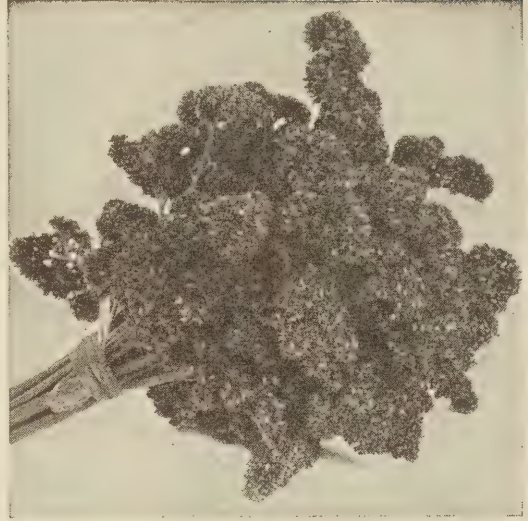
CULTURE: Parsley seed is very slow to germinate, so plant the seed very early in the year, January is not too early. Have ground free from lumps and sticks. Sow in rows 1 foot apart or broadcast. Cover seed firmly ¼ inch deep. With Hamburg Rooted parsley, broadcasting is best and thin to 8 inches apart each way.

MOSS CURLED or TRIPLE CURLED. Beautifully crimped, curled leaves. The color is rich green. Its pleasant aromatic flavor is unsurpassed.

PARAMOUNT. This new introduction was given the All American award as being the best in its class. Leaves are finely curled, good size, dark green color. Borne on strong, medium length stems.

NEW DARK GREEN PLAIN LEAVED. The leaves of this variety are dark green, borne on strong stems; are flat, deeply cut and not curled. Esteemed by many because it has a stronger flavor than other sorts.

HAMBURG ROOTED or GERMAN PARSLEY. Roots resemble small parsnips and are used as a vegetable, same as salsify. Foliage same as plain parsley.



PARAMOUNT

PARSLEY

	Days	ALL PRICES POSTPAID			
		Pkt.	Oz.	¼ lb.	Lb.
Moss Curled or Triple Curled.....	75	\$.05	\$.15	\$.45	\$ 1.50
Paramount	85	.05	.15	.45	1.50
Dark Green Plain Leaved	80	.07	.20	.50	1.75
Hamburg Rooted or German Parsley	90	.05	.15	.45	1.50

SEED POTATOES

CULTURE: Potatoes can be grown in any soil provided it is fairly rich, but potatoes usually do best on loose, sandy loam and are of better quality than if planted on heavy clay soil. Cut the potatoes in 4 or 6 pieces, so there is at least one eye on each piece. About 3 pieces should be planted in each hill, 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches apart in the rows. Keep the ground loose about the hills. Do not water unless soil becomes quite dry. For Psyllid or Purple Top dust with Sulphur. For worms use Basic Copper Arsenite or DDT containing 5% Cuproside.

PRICES (NOT POSTPAID)	5 lbs.	10 lbs.
Irish Cobbler or Eureka.....	\$.65	\$ 1.00
Bliss Triumphs .....	.65	1.00
Red McClure or Peachblow .....	.65	1.00
Russet Burbank or Netted Gem.....	.65	1.00
Katahdin .....	.65	1.00

RED MCCLURE or PERFECT PEACHBLOW. Probably most popular variety in the state. Round red tubers. Late in maturing. Vine strong, upright. Will not succeed in heavy soils or hot climate.

RUSSET BURBANK; NETTED GEM; IDAHO RUSSETS. Require fertile soil and even moisture. Will not tolerate heavy soils or hot weather. Succeeds best at altitudes 6,000 to 8,000 feet. Medium size vine. Tubers cylindrical in shape; shallow eyes.

IRISH COBBLERS or EUREKA. Early white variety. Vines somewhat small and erect. Tubers irregular, tending to roundness, keep well in storage. It is quite resistant to mosaic.

BLISS TRIUMPH. Leading variety in state and gaining in popularity. Succeeds in all potato districts in state. Round, red variety.

KATAHDIN. Result of breeding program of U. S. Department of Agriculture. Resistant to mild mosaic. Vines strong, upright. Tubers cream-colored, short oval to roundish, with few very shallow eyes. Very heavy yielder.

POTATO EYES BY MAIL

(8,000 to 12,000 Eyes to Acre)

We send potato eyes delivered, all transportation charges paid. We select the seed potatoes, using only the smoothest and the firmest. Then we remove the eyes, leaving enough flesh to assure a good plant that will produce potatoes. We guarantee these potato eyes to arrive in good planting condition. But we advise that you prepare your soil and have things ready for planting on arrival of the eyes.

Any variety listed, postpaid (25 eyes, 55c) (50 eyes, 90c) (100 eyes, \$1.55) (300 eyes, \$3.10) (500 eyes, \$4.70).

When ordering be sure to advise when you wish eyes to reach you.

SWEET POTATO PLANTS

See page 38.

PEAS

One pound will sow 60 ft., 80 to 100 lbs., will sow an acre.

CULTURE: Peas require moderate temperature, plenty of moisture and good, fairly rich soil. The earliest crop can be planted when the ground is ready to work and later plantings can be made which will give you fresh peas all summer long, especially if you are growing them in the higher altitudes where the summers are good. Dwarf or short vine peas are best suited where space is scarce and soil very rich. Can be sown in single or double rows with about 2 inches between the seeds and rows $1\frac{1}{2}$ to $2\frac{1}{2}$ feet apart. The seed should be planted about 1 inch to $1\frac{1}{2}$ inches under the surface.

ALASKA. 60 days. Vines slender, light green, 30 inches high. Pods single, 3 inches long, blunt, light green, round, straight. Seeds small, round, smooth, bluish green. Can be planted very early.

AMERICAN WONDER. 61 days. For home garden, very productive. Vines 12 to 14 inches high, dark green, fairly coarse. Pods $2\frac{3}{4}$ inches long straight and well filled. Of fine quality.

LAXTON'S PROGRESS. 63 days. The earliest large podded shipping variety, pods well filled, $4\frac{1}{2}$ inches long, dark green vines grow 18 inches tall. Excellent for home garden and shipping.

LITTLE MARVEL. (Gold Seal). Majority of planters consider Little Marvel the sweetest and best flavored of all table peas. Bears an early heavy crop of well filled, plump, dark green, 3 inch pods on sturdy 18 inch vines. For the home garden three to one favorite.



LITTLE MARVEL



GIANT STRIDE

LAXTONIAN. 64 days. Vines short, dark green. Bears abundance of $4\frac{1}{2}$ -inch well filled pods with sweet large wrinkled peas.

EARLY GIANT. 68 days. The earliest of all the large podded market garden peas. The vine is 22 inches and is very dark and heavy. The pods are about 5 inches long and very dark green, pointed, plump and round. Recommended for home and market gardeners.

GRADUS. An old home garden favorite. Vines 30 inches; pods $3\frac{1}{2}$ inches, plump; peas large. Good freezing variety.

ROGER'S DWARF MARKET. 72 days. A new, fine shipping variety. Vines grow 28 inches tall, and a very heavy producer of large well filled fine appearing pods, which will shell out more peas per pound than any other large variety.

GIANT STRIDE ROGERS NO. 95. 75 days. Vines are vigorous, 27 inches tall, wilt resistant. Pods $4\frac{1}{2}$ to $5\frac{1}{4}$ inches, plump and dark green. Heavy yielder.

GIANT STRIDE ASGROW NO. 40. 75 days. Vines dark green, stocky, branching. Pods 5 inches, round, dark green, plump, pointed. Contain 8 to 10 large succulent peas. With resistant.

DARK DWARF TELEPHONE. 76 days. Pods are very dark; little longer than the Stratagem, $4\frac{3}{4}$ inches; heavy yielder. Vines dwarf, sturdy and have heavier stems.

PEAS

IMPROVED STRATAGEM (Gold Seal Quality). 78 days. Very popular in the mountains and it is a very hardy and a very heavy yielder, of fine well-filled pods which measure about 4½ inches long. Vines are dwarf, grow 2½ inches to 3 feet high.

ALDERMAN. 74 days. A handsome, large podded, late variety for home gardens and freezing. Plants tall, dark green. Pods large, plump, contain 8 to 10 peas of highest quality.

THOMAS LAXTON. 64 days. An excellent all purpose variety especially for home garden and freezing. Vines 30 inches. Pods 3½ to 4 inches; well filled of high quality large peas.

FREEZONIAN. 65 days. Specially developed for quick freezing. Vines dark green, 30 inches tall; pods 3½ inches. Peas large and sweet. Also a good garden variety.

EVERBEARING PEAS. 78 days. Grows about 36 inches high; pods are about 3 inches long, of very fine quality. A constant and heavy bearer.

DWARF GRAY SUGAR. 65 days. A double purpose pea; the pods when half grown are excellent cooked the same as snap beans or later can be used as shelled peas. Vines slender and wiry. Pods fleshy, of good eating quality.



EARLY GIANT

		PRICES POSTPAID			PRICES NOT POSTPAID			
All Peas, pkt. 10c, ¼ lb. 20c.		Days	Lb.	5 lbs.	10 lbs.	10 lbs.	25 lbs.	100 lbs.
Alaska	60	\$.35	\$1.35	\$2.75	\$2.25	\$4.25	\$15.75	
Alderman	74	.45	2.00	3.25	2.75	5.75	17.25	
American Wonder	61	.40	1.60	3.00	2.50	5.50	17.50	
Dark Dwarf Telephone	76	.45	1.90	3.20	2.70	6.00	17.00	
Dwarf Gray Sugar	65	.45	1.90	3.20	2.70	6.00	18.50	
Dwarf Market Rogers	72	.45	2.00	3.30				
Early Giant	68	.45	2.00	3.25	2.80	6.25	19.50	
Everbearing	78	.45	1.90	3.20	2.70	5.00	17.00	
Freezonian	65	.45	2.00	3.30	2.75	6.15	19.00	
Giant Stride Asgrow No. 40	75	.45	2.00	3.25	2.75	6.15	19.50	
Giant Stride Rogers No. 95	74	.45	2.00	3.25	2.75	6.15	19.50	
Gradus	68	.45	2.00	3.25	2.80	6.25	19.50	
Improved Stratagem	78	.45	1.90	3.20	2.70	6.25	19.50	
Laxton's Progress	63	.45	1.90	3.25	2.75	6.25	19.50	
Laxtonian	64	.45	1.90	3.25	2.75	6.00	19.50	
Little Marvel	65	.45	1.90	3.20	2.80	6.25	19.50	
Thomas Laxton	64	.45	1.90	3.20	2.70	6.25	19.00	
All Peas, pkt. 10c, ¼ lb. 20c.								

PIE PLANT OR RHUBARB

Not all varieties of rhubarb can be produced from seed. The main cherry varieties are reproduced from roots.

MAMMOTH. Vigorous and productive, stalks 15 inches long.

VICTORIA. A popular red strain, very thrifty, long straight stems.

Prices: (Pkt. 10c) (½ oz. 20c) (oz. 30c) (¼ lb. 90c) (lb. \$2.70).

PEPPERS

1 oz. for 1200 plants; ¼ lb. will plant an acre

CULTURE: Peppers require good soil, but the lighter type of soil seems to produce the best crops. Seed should be started in hotbeds or cold frames and transplanted to the open as early in May as possible but only after danger of frost is over. Plants should be set out in rows 2 to 2½ feet apart and 20 inches apart in the rows. Some rich fertilizer or commercial fertilizer worked into the soil when the plants are about 9 inches high will be found very beneficial.

SWEET PEPPERS



CALIFORNIA WONDER

HARRIS EARLY GIANT. 65 days. The best very early sweet pepper. Plants extremely prolific. Fruits large, slightly tapered, deep green and sweet.

CALWONDER. Early California Wonder. 70 days. Plants stocky. Fruits 3 and 4 lobed, smooth, deep green, and uniform. Flesh thick, sweet, and mild.

CALIFORNIA WONDER. 76 days. The most popular pepper for market gardening and shipping. Plants vigorous, upright, and prolific. Fruits mostly 4 lobed, upright, chunky, and very thick fleshed, sweet, and mild. Continues to bear a long time.

GOLDEN CALIFORNIA WONDER. The largest and most attractive yellow sweet pepper. Similar to California Wonder in plant and fruit size. Flesh very thick and sweet; fruit green, turns to deep golden yellow.

RUBY KING. 69 days. Grows about 4 to 5 inches long and is often 3 inches in diameter. Very productive.

HUNGARIAN YELLOW WAX SWEET. An early sort. Plants dwarf and prolific fruit. Sweet pendent pods 1½ inches diameter at base and often 8 inches long of waxy yellow turning to crimson.

OAK VIEW WONDER. An early strain of California Wonder. Fruit blocky, smooth; flesh thick, sweet and mild. Plants rather stocky, abundant bearer.

WORLD BEATER or IMPROVED RUBY GIANT. 70 days. Early large pepper. Fruits oblong, commonly 5 inches long, 3½ inches in diameter, deep green, becoming bright deep red, flesh sweet and thick. Heavy yielder.

PIMIENTO or PERFECTION. Plants vigorous, upright, very productive. Fruits 3 inches long, heart shaped, smooth, glossy, deep green. Flesh very thick, very mild flavored.

HOT PEPPERS

ANAHEIM CHILL. A semi hot variety, rather late, and used for canning, drying, and in making chili and tamales. Fruit is 6 to 8 inches long and 1¼ inches in diameter with top tapering to a point.

LARGE RED CHERRY. Plants vigorous, upright, prolific. Fruits round, smooth, solid, somewhat pungent. Color deep green changing to deep scarlet. Used in sauces, condiments and canned whole.

RED CHILL. 92 days. A late variety, used in the manufacture of pepper sauce. Bright red pods are about 2 inches long, tapering to a sharp point and exceedingly pungent.

LONG RED CAYENNE. 70 days. A well known variety having a slender, twisted and pointed pod about 4 inches long, bright red in color, extremely strong.

HUNGARIAN YELLOW WAX HOT. Same as Hungarian Wax Sweet but pods are hot and pungent.

PEPPER PLANTS. See page 38.

ALL PRICES POSTPAID

PEPPERS, SWEET

	Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Harris Early Giant	65	\$.10	\$.40	\$.70	\$2.00	\$6.25
Calwonder	70	.10	.40	.70	1.90	5.75
California Wonder	76	.10	.40	.70	1.90	5.75
Oak View Wonder	72	.10	.40	.70	1.90	5.75
Golden California Wonder	72	.15	.45	.80	2.20	6.50
Hungarian Yellow Wax Sweet	60	.12	.45	.80	2.20	6.50
Ruby King	65	.10	.35	.60	1.75	5.25
World Beater	70	.10	.35	.60	1.65	5.00
Chinese Giant	80	.10	.35	.70	2.00	6.00
Pimiento Pepper	80	.10	.35	.60	1.50	5.00

HOT PEPPERS

Anaheim Chili	78	.10	.35	.60	1.75	5.25
Large Red Cherry	82	.10	.30	.55	1.75	
Red Chili	82	.10	.30	.55	1.75	
Long Red Cayenne	68	.10	.30	.50	1.60	
Hungarian Yellow Wax Hot	65	.10	.30	.55	1.75	

SPINACH

HOLLAND GROWN SEED

1 oz. to 100 ft. of drill; 12 lbs. per acre in rows, 25 lbs. if broadcast

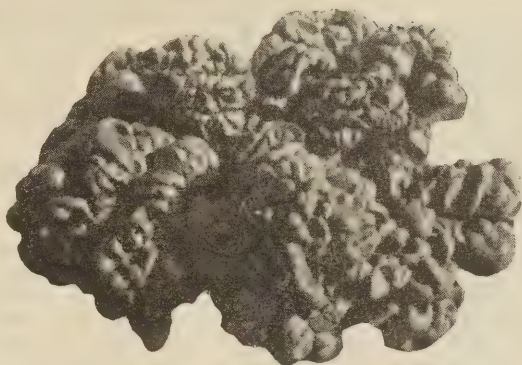


FIELD OF LONG STANDING BLOOMSDALE

CULTURE: Spinach thrives in any ordinary soil but rich soil increases the size and quality and its cultivation is a very simple matter. To secure spinach very early in the spring, the seed should be planted in the fall. For a succession, sow again early in the spring and every two weeks thereafter. Sow seed in rows 16 to 20 inches apart. The best crops and heaviest yields are obtained when the growing plants are not crowded; 4 inches apart is best, or seed may be broadcast and thinned out to 5 inches. As spinach likes cool weather it does exceptionally well in our mountain valleys.

AMERICA. All-American Selection. (New) The best long standing, heat resisting, heavy yielding, savory-leaved spinach on the market. Leaves very thick, savoyed, real glossy, dark green. Plants height 6 to 8 inches, width 10 to 12 inches; the longest standing, heaviest yielding spinach; have stood 75 days after seeding without bolting.

GIANT NOBEL (Long-standing). Same as Gaudry. Extensively used variety especially in the Rocky Mountain states. A quick grower, plants are large, vigorous, and spreading producing large, thick, semi-curved and somewhat crinkled, very dark, green leaves. An excellent shipping variety and recommended for the home garden.



SINGLE PLANT OF AMERICA SPINACH

BLOOMSDALE DARK GREEN (Reselected). Distinguished by its deep colored leaves which are thick, broad, heavily crinkled and savoyed. Plants sturdy and spreading. Heavy yielder.

BLOOMSDALE LONG STANDING. Quick growing hardy variety. Plants large, uniform, erect and sturdy. Leaves dark green, heavy and crinkled. Remains in the rosette stage for a long time without bolting to seed.

NORTHLAND or VIKING. A very dark green selection out of Giant Nobel, equally as long-standing. Gives enormous yields.

MONSTROUS VIROFLAY. A large vigorous growing variety with long, broad, pointed, thick, smooth leaves of deep green color.

NEW ZEALAND. Native of New Zealand, quite distinct from other varieties of spinach, it thrives in hot, dry weather. The large, spreading plants have small, thick, pointed, deep green leaves, which can be picked repeatedly throughout the season.

MOUNTAIN SPINACH (Orche). Easily grown. Leaves excellent as spinach.

ALL PRICES POSTPAID

SPINACH (Best Holland Grown Seed) Days	Pkt.	Oz.	¼ lb.	Lb.	5 lbs.	10 lbs.	25 lbs.
Giant Nobel	45	\$.10	\$.15	\$.20	\$.55	\$2.40	\$4.70
America	45	.10	.15	.20	.60	2.60	4.85
Gaudry	45	.10	.15	.20	.55	2.40	4.70
Bloomsdale Dark Green	40	.10	.15	.20	.55	2.40	4.70
Monstrous Viroflay	40	.10	.15	.20	.55	2.40	4.70
Bloomsdale Long Standing	42	.10	.15	.20	.55	2.40	4.70
Northland or Viking	45	.10	.15	.20	.55	2.40	4.70
New Zealand	70	.10	.15	.40	1.35	6.00	
Mountain Spinach	50	.10	.15	.50			

If not Postpaid, 5c lb. less.

For larger amounts, write for prices.

RADISHES

1 oz. will sow 100 ft. of row; 8 lbs. to an acre in drills, 12 lbs. if broadcast

CULTURE: The culture of radishes is so easy and the results so sure that they are probably found in more home gardens than any other vegetable. The varieties of radishes differ so distinctly that the home gardener is able to obtain almost anything he prefers in the way of shape, color, size and season. The ground should be finely prepared, as free as possible from small stones and lumps. Plant seed about 1/2 inch deep in rows 12 to 18 inches apart or may be broadcast, and when up about an inch thin to 1 to 2 inches apart. Radishes are at their best when growth is quick and steady. A moderate temperature and constant moisture are favorable for best results. In order to keep a continuous supply of young, mild radishes, successive plantings should be made.

CHERRY BELLE. All American Selection. A round, smooth, red radish resembling cherries in shape and color. Tops are short; tap root small. Flesh is white and firm and will remain solid and crisp after all other radishes have become pithy. Cherry Belle is especially adapted to summer outdoor planting and forcing but not recommended for real early spring and late fall planting only because cool weather tends to retard top growth, sometimes too short for bunching. Let Cherry Belle be your main crop radish.

PERFECTA SCARLET GLOBE. A strain of Scarlet Globe satisfying the most critical radish growers on account of its bright, glowing scarlet color, its perfect globe shape, the extreme thin tap root and ideal tops, though not too small for easy bunching, classifies this strain ideal for early spring and fall outdoor planting and for forcing under glass.

EARLY CAVALIER (Short Top Forcing). A highly colored radish especially adapted for forcing, also suited for outdoor, tops are short. Roots bright true scarlet slightly olive shaped, uniform.

EARLY SCARLET GLOBE FORCING (Short Top). One of the most desirable for forcing under glass; also used for field culture. Tops small, ideal for bunching. Roots olive shaped, uniform, rich scarlet; flesh crisp and white.

COMET. Has the good qualities as Scarlet Globe and Cavalier but a rounded instead of an olive shaped root which is bright scarlet; tops short. Recommended for both field culture and forcing.

CRIMSON GIANT. A superior home and market garden variety for out-of-door planting. Roots large, spherical, slightly top-shaped; beautiful deep crimson; the white flesh holds its firmness well.

FRENCH BREAKFAST. Early home garden variety. Roots oblong, blunt; about 1 1/2 inches long and 5/8 inches through; rich scarlet with white bottom; flesh white, crisp and firm.

ICICLE. The best early white variety. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout and brittle; of splendid quality until 5-6 inches long and 1/2 inch thick or larger.



CHERRY BELLE

SPARKLER WHITE TIP. Outstanding quality. Tops small, roots almost globular with small tap root, skin rosy carmine with lower third area a definite white. Holland grown seed.

CINCINNATI MARKET. (Gold Seal Quality.) Roots very attractive, 7 to 9 inches long, bright rose color on upper part, shading to white at the tip. Flesh white and crisp.

ALL SEASON RADISH MIXTURE. This is a well-balanced mixture including early, midseason and late varieties. It is quite interesting to have a mixed bed. We suggest you broadcast when planting.

PRICES ~~10~~

FALL AND WINTER VARIETIES

ROUND BLACK SPANISH. A winter sort with round roots, somewhat top-shaped, 3 to 4 inches in diameter; skin black, with cracked longitudinal lines; flesh white, crisp and of strong flavor. An excellent keeper.

PRICES ~~10~~

CHINESE WHITE WINTER or WHITE CALIFORNIA MAMMOTH. Largest of all winter radishes and a favorite with the Japanese gardeners. Root grows 8 inches long and 2 to 3 inches in diameter. Pure white skin and flesh. May be used in all stages of growth. Flesh is solid, crisp and mildly pungent.

CHINA ROSE. (Gold Seal Quality.) This variety should not be sown earlier than the middle of June, as it is a winter variety. Is very popular. Roots 4 to 6 inches long, 2 inches in diameter, cylindrical but thicker at the lowest end; blunt, smooth, bright rose-red in color; flesh white, very firm and pungent.

SALSIFY or Oyster Plant

CULTURE: Sow the seed in the spring in drills 1 foot apart and 1 inch deep, thinning out plants to 4 inches. It succeeds best in light, well-enriched soil. One ounce to 50 feet of drill. Easy to grow, habits similar to those of the parsnips. Can be left in the ground during the winter; in fact, frost improves the quality.

MAMMOTH SANDWICH ISLAND. This is the largest variety; very uniform in size; most popular sort for this section.

SWISS CHARD

CULTURE: Swiss Chard is a beet grown for its leaves. The midrib when boiled makes delicious greens or the leaves may be boiled and served as spinach. Sown in the spring the leaves are soon ready to eat and will continue to grow all through the summer and fall.

WHITE SILVER, LARGE RIBBED IMPROVED. Large, smooth, medium dark green leaves with silvery white stems, which are tender and of fine flavor.

FORDHOOK GIANT. Tall vigorous growing. Leaves broad, heavily crumpled, dark green. Stems fleshy, broad, thick and pale green.

RHUBARB CHARD. Same as other chard except stocks and leaf veins are translucent, crimson. Leaves much crumpled, dark green, fine flavor, plants often used in flower bed borders.



FORDHOOK GIANT

TOBACCO

Tobacco seed must be sown early in the spring in frames or seed bed in rich soil. Reset the plants in the open ground after the weather has become warm, making space between the rows about 4 feet. The cultivation is practically the same as for corn.

IMPROVED WHITE BURLEY. A heavy yielder, rich, broad leaf. Desirable for fillers and wrappers.

CONNECTICUT SEED LEAF. Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states.

ALL PRICES POSTPAID

	Days	Pkt.	Oz.	¼ lb.	½ lb.	Lb.	5 lbs.
RADISHES (Holland or American)							
Cherry Belle, New.....	24	\$.10	\$.15	\$.35	\$.60	\$1.15	\$4.95
Perfecta Scarlet Globe (Holland grown).....	25	.10	.15	.30	.55	.95	4.50
Early Cavalier (Holland grown).....	25	.10	.15	.30	.55	.95	4.50
Early Scarlet Globe Forcing (Holland grown)	24	.10	.15	.30	.55	.95	4.50
Early Scarlet Globe (Holland grown)	24	.10	.15	.30	.55	.95	4.50
Early Scarlet Globe (American grown).....	25	.10	.15	.30	.50	.90	4.25
Comet (Holland grown).....	26	.10	.15	.30	.55	.95	4.50
Crimson Giant (Holland grown).....	30	.10	.15	.30	.55	.95	4.50
French Breakfast (Holland grown).....	27	.10	.15	.30	.55	.95	4.50
Icicle (Holland grown)	29	.10	.15	.30	.55	.95	4.50
Sparkler White Tip (Holland grown).....	27	.10	.15	.30	.55	.95	4.50
Cincinnati Market	30	.10	.15	.30	.55	1.00	4.50
All Season Radish Mixture.....	....	.10	.15	.30	.55	.90	4.25
RADISHES, FALL AND WINTER VARIETIES							
Round Black Spanish	60	.10	.15	.45	.65	1.00	
Chinese White Winter	60	.10	.15	.45	.65	1.00	
China Rose	52	.10	.15	.45	.65	1.00	
SALSIFY							
Mammoth Sandwich Island.....	140	.10	.30	1.10	2.10	4.00	
SWISS CHARD							
White Silver Large Ribbed Improved.....	60	.10	.15	.35	.65	1.10	
Fordhook Giant	60	.10	.15	.35	.65	1.10	
Rhubarb Chard	60	.10	.20	.50	.85	1.50	
TOBACCO							
		Pkt.	½ oz.	Oz.	¼ lb.		
Improved White Burley.....		\$.10	\$.20	\$.35	\$1.10		
Connecticut Seed Leaf.....		.10	.20	.35	1.10		

SQUASH

Squashes are divided into two distinct classes—summer and winter. Although they neither resemble nor taste alike, both are known as squashes. The majority of the summer varieties are the bush sorts—while most winter varieties are the running or trailing sorts.

CULTURE: Squash does not demand much cultivation and thrive on almost any soil. Never plant squash until all danger of frost is past, for they are very sensitive to cold. Summer or bush varieties should be planted in rows 3 feet apart and $3\frac{1}{2}$ feet in the row, for these sorts are produced on bushes and never trail. Winter or trailing varieties should be planted in hills about 4 to 5 feet apart and allowed to vine and trail all over the ground. Drop 4 to 5 seeds to the hill. In order to keep Summer Squashes bearing and producing the fruit must be picked and never allowed to grow large. In late fall after vines have dried, the Winter varieties should be gathered, leaving a 3 to 4-inch stem. Store in a dry place, handle carefully, avoid bruising.

BUSH or SUMMER VARIETIES

1 oz. to 25 hills; 3 lbs. will plant an acre

EARLY WHITE SCALLOP (Bennings). The most satisfactory and widely used of the White Summer Squash. Fruits pie shaped with scalloped edges. Have a deep green tint turning to cream color at maturity. Free of warts or knots. Plants large, prolific, and disease resistant.

EARLY PROLIFIC STRAIGHTNECK. Strictly bush compact, high-yielding summer squash. Fruits straight, almost smooth, of delicate creamy yellow color. Quality unsurpassed.

EARLY SUMMER GOLDEN CROOKNECK. Bears fruit of medium size, curved with curved neck, of a golden yellow color, and thickly covered with warts, very prolific.

CASERTA. A bush squash of the Italian Marrow type, one week earlier than Zucchini or Coccinelle. Fruit grayish-green; stripes dark green. Earliness and high productivity make this a favorite for market and home gardens.



ZUCCHINI Black

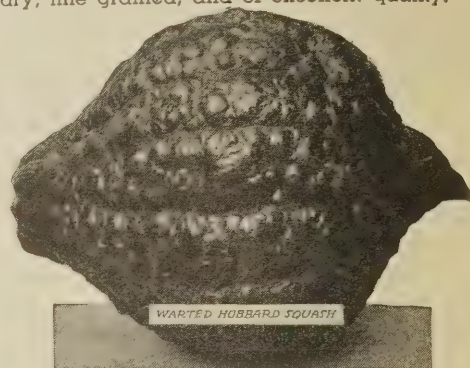
ZUCCHINI (Black). 66 days. Fruits smooth, rich, dark greenish black, no striping or mottling; flesh firm, greenish white; delicate flavor; cylindrical, attains 18 inches long, 4 inches diameter, but most suitable for table when 6 to 8 inches long.

VINING or WINTER VARIETIES

1 oz. for 15 hills; 4 lbs. for an acre

BLUE HUBBARD. Superior in edible quality to other Hubbard strains. Fruits large, round, pointed at both ends with very hard blue-gray rind. Weight 12-14 lbs. Flesh yellow-orange, thick, of fine flavor.

HUBBARD WARTED. The largest of the green Hubbards. Color very dark green. Shell hard and heavily warted. Flesh deep orange-yellow, dry, fine grained, and of excellent quality.



HUBBARD IMPROVED. Also called True Hubbard. It is one of the best for general purposes. The size is medium, the color deep green with a fair amount of warts. The rind is hard, the flesh thick and of fine texture and it keeps very well. The fruits are pointed at both ends.

HUBBARD GOLDEN. Very similar to other Hubbards but earlier, and somewhat smaller. Popular with home and market gardeners. Fruits somewhat pointed at each end, weigh 8 to 10 pounds, moderately warted, orange-red, with faint cream colored stripes toward blossom end; flesh deep orange, dry and of fine quality. It keeps well.

BANANA (Pink). A long type of winter squash 20 inches long, 6 to 7 inches in diameter and becoming very popular. Color is pink or light orange, flesh thick, fine grained of yellowish orange and of sweet flavor.

PRICES

TABLE QUEEN or ACORN (Green). Desirable for home, market garden and also for shipping. Convenient for baking and serving in halves. Weighs only about $1\frac{1}{2}$ pounds. Acorn shaped fruits. Ribbed, smooth thin shell of very dark green color. Flesh light yellow. Bakes well with sweet, inviting flavor. Trailing in habit.

MAMMOTH TABLE QUEEN (Royal Acorn). Identical with Standard Table Queen except third larger; thicker flesh.

UCONN. A table queen or acorn variety but earlier and grows on a bush instead of a vine. An all winter keeper. Fruits small, 5 inches long, 4 inches through, green becoming orange when over mature. Flesh sweet, stringless.

BUTTERNUT SQUASH. Matures early. Fruits 3 to 4 pounds, about 10 inches long, bulbous at bottom where small seed cavity is located; the neck is thick and solid. Rind thin and tough, creamy yellow. Flesh yellow, fine grained, excellent quality. Also delicious for pies.

BUTTERCUP. An outstanding winter squash, turban shaped with prominent button at blossom end, 6 to 8 inches in diameter, dark green with narrow gray stripes and slight mottling. Flesh, deep golden yellow, fine grain, very dry and pleasing flavor.

PUMPKINS

4 oz. will plant 100 hills; 3 lbs. will plant an acre

CULTURE: Sometimes grown in cornfields, but if grown as a separate crop, seed should be planted in hills 8 to 10 feet apart each way after weather and soil get warm. Hoe often till vines begin to run. Pumpkins do not require much water. Cut pumpkins from vine after the leaves die, leaving 3 or 4 inches of stem attached and store in a dry place. Handle carefully and avoid bruising. Use one ounce of seed to 20 hills of most varieties; 3 to 4 pounds per acre.

CHEYENNE BUSH. Ideal where space is limited as it does not vine or spread. Fruit 8 inches across, orange red, excellent for pie making.

DICKINSON. A good all-purpose pumpkin. Meat is thick, brilliant, sweet. Fruits buff colored. Weighs about 15 pounds. Excellent for pies and canning.

SMALL SUGAR. A small round variety, 6 to 8 lbs. Flesh thick, rich yellow and of high quality. Skin a deep orange. Best variety for cooking and pies.

KENTUCKY FIELD or SWEET CHEESE. A fine pumpkin, nearly 2 feet in diameter. Flesh dull orange color, extra thick. Heavy yielder and excellent keeper. Largely used for canning and stock feeding.

JAPANESE PIE. Large size, weighing from 15 to 20 pounds. Color of outside rind bluish-green, blotched with yellow. Has large neck. Flesh salmon-colored, very thick and sweet; for eating and stock feeding.



SMALL SUGAR

CONNECTICUT FIELD. A fine, large, orange-colored variety. Extensively used for pies, canning and stock feeding. Surface orange; smooth and ribbed; flesh thick, coarse and sweet.

STRIPED CASHAW. For stock feeding. Fruits large, flesh thick, coarse, 20 inches long; weigh 20 lbs.

ALL PRICES POSTPAID

SQUASH, SUMMER BUSH VARIETIES

	Days	Pkt.	Oz.	¼ lb.	½ lb.	1 lb.	5 lbs.
Early White Scallop Bennings.....	52	.10	.17	.45	.80	1.50	\$6.75
Early Prolific Straightneck.....	52	.10	.17	.45	.80	1.50	6.75
Early Summer Golden Crookneck.....	57	.10	.15	.40	.75	1.50	6.75
Zucchini	66	.10	.17	.45	.80	1.50	6.75
Caserta	58	.10	.20	.50	1.00	1.85	7.25

VINING OR WINTER VARIETIES

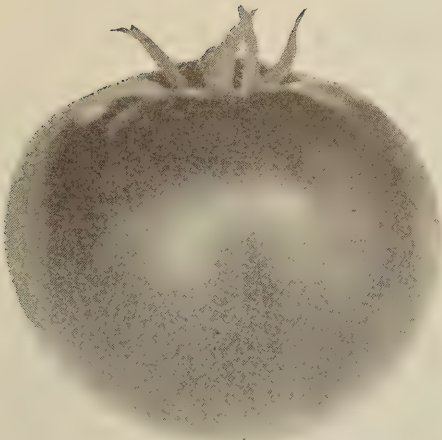
Blue Hubbard	108	.10	.20	.50	.90	1.70	7.25
Warted Hubbard	110	.10	.20	.50	.90	1.70	7.25
Golden Hubbard	100	.10	.20	.50	.90	1.70	7.25
Hubbard Improved	105	.10	.20	.50	.90	1.70	7.25
Banana	105	.10	.17	.45	.80	1.50	6.75
Uconn	75	.10	.20	.55	1.00	1.85	7.50
Table Queen or Acorn.....	80	.10	.15	.45	.80	1.50	6.75
Mammoth Table Queen.....	84	.10	.15	.45	.80	1.50	6.75
Butternut	95	.10	.20	.55	1.00	1.75	.....
Buttercup	100	.10	.20	.60	1.00	1.85	.....

PUMPKINS

Cheyenne Bush	100	.10	.15	.50	.....	1.50	6.50
Dickinson	120	.10	.15	.45	.....	1.50	6.50
Small Sugar	110	.10	.15	.45	.....	1.40	6.00
Kentucky Field	120	.10	.15	.45	.....	1.40	6.00
Japanese Pie	110	.10	.15	.45	.....	1.40	6.00
Connecticut Field	115	.10	.15	.45	.....	1.40	6.00
Striped Cashaw	115	.10	.15	.50	.....	1.50	6.50
King of Mammoth	115	.10	.15	.45	.....	1.40	5.75

TOMATOES

1 oz. produces 1500 to 2000 plants; ¼ lb. per acre



PEARSON IMPROVED

CULTURE: The best crops are grown on light, rich soil. In most sections the seed should be sown in hotbeds early in March or about 6 weeks before transplanting to the field. Sow seed in rows 4 inches apart and not over ½ inch deep. Enough plants for a small garden may be grown in shallow boxes or flower pots in a sunny window in the house. When the weather becomes warm out of doors, gradually harden them by exposing them to the air. When all danger of frost is past, set out in the open 3 or 4 feet apart each way. During the growing season do not allow the ground to cake or harden. Give plenty of cultivation until the vines cover the ground. One packet will produce about 200 plants; an ounce about 2,000.

BOUNTY, EARLY. 62 days. Especially recommended for dry land and sections with short season. Fruits are scarlet averaging 6 ounces, semi-globular of good quality. Plants small, short, may be set 2 feet apart in row.

BEAUTY. 85 days. A hardy grower, very prolific; large, smooth and a glossy crimson with a tinge of purple; grows in clusters of four to six large fruits, retaining its splendid size throughout the entire season. Flesh is very firm, has a tough skin and few seeds; seldom rots or cracks after rain. Picked green but matured, it will ripen nicely, making it a desirable shipping sort. A very satisfactory main crop tomato.

CHALK'S EARLY JEWEL. 75 days. One of the most satisfactory of second early varieties. Fruits flattened, bright red, firm and meaty, heavy producing. One of the finest for the home garden and canning.

EARLIANA. Certified. A first early sort, widely used for home gardens, and by truckers. Vine is open, spreading, medium small. Fruits flattened, globe shaped, medium sized, firm, bright red, smooth.

EARLY STONE. Certified. A new development. One week earlier than the Improved Stone. Vines heavy, large, deep green, and prolific; fruit larger than the Improved Stone, semiglobular, smooth, deep scarlet red and ripens well to the stem. Interior deep red.

JUNE PINK. 71 days. The earliest of the pink-fruited varieties. Vine is open, spreading, and rather short. Fruits medium sized, flattened, smooth; color purplish pink.

JUBILEE. 85 days. The outstanding yellow tomato for home garden use. Fruits large, globular, smooth, bright golden orange, very meaty, thick walled, few seeds, mild flavor.

JOHN BAER (Bonne Best). 76 days. Excellent for market gardening and canning. Vines are of medium height, fruit medium size, semiglobular, very attractive bright red, smooth and quite firm.


LANDRETH. A second early fine general purpose tomato; highly praised by market and home gardeners; a good canner. Fruits deep scarlet red, oblate to nearly round, medium size, smooth, solid, of good quality. Adapted to pruning and staking if desired.

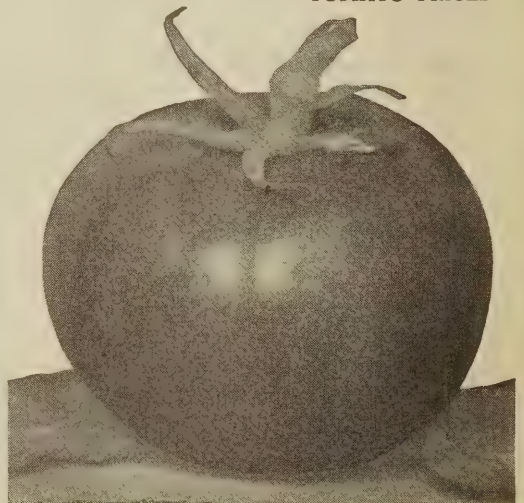
LIVINGSTONE GLOBE. 85 days. An excellent variety, well adapted to greenhouse production. Vine strong, with heavy foliage; prolific. Fruits large, full globe, smooth; purplish pink, ripens evenly.

PEARSON IMPROVED. 78 days. A splendid new all-around tomato. Fruits are medium-large, semi-globe, smooth of good even red color. Thick skinned, inside rose scarlet, very meaty and full. Vine compact with ample foliage to protect the heavy set of fruit.

PONDEROSA or BEEF STEAK. 90 days. Although a late variety, is one of the best for house use. Fruits deep purplish-pink; extremely large, deep but flat; very fleshy, mild flavor, with few seeds.

STOKESDALE. Certified. An early scarlet fruited variety maturing about 10 days earlier than Marglobe. Plant rather open in habit with medium heavy foliage. Fruits large, globe or sub-globe, smooth and well colored. Recommended where length of growing season is less than average.

TOMATO PRICES 



BEAUTY

TOMATOES

WASATCH BEAUTY (Moscow). An early variety suited to Mountain States. Fruits: red; moderately large, round, firm and smooth. Plants compact and prolific.

WISCONSIN NO. 55. Introduced by the College of Agriculture, Wisconsin. Vine vigorous, with some resistance to early blight and blossom end rot, open but fairly leafy. Fruits medium large, slightly flattened, of good scarlet color.

DISEASE RESISTANT

VARIETIES

BREAK O'DAY or GROTHENS GLOBE. 70 days. Plant light, of spreading habit; bears fruit early and very prolific; fruits medium large, orange red, globe shaped, and smooth.

MARGLOBE CERTIFIED. This main crop variety has come into wide use among large and small growers. Plants vigorous with heavy foliage, resistant to Fusarium Wilt and Nail Head Rust. Fruits medium large, nearly globular, deep red, smooth, solid with thick walls and cross sections.

PRITCHARD or SCARLET TOPPER. 77 days. Disease resistant, heavily productive. Fruits large, smooth, globular, solid, with thick walls and cross sections; color light scarlet, not as intense as could be desired. Highly desirable for market garden use and for long distance shipping.

RUTGERS CERTIFIED. Uniform wilt resistant, with deep red skin and flesh. Ripens from inside out. Especially recommended as a green wrap shipper and is a heavy yielder.

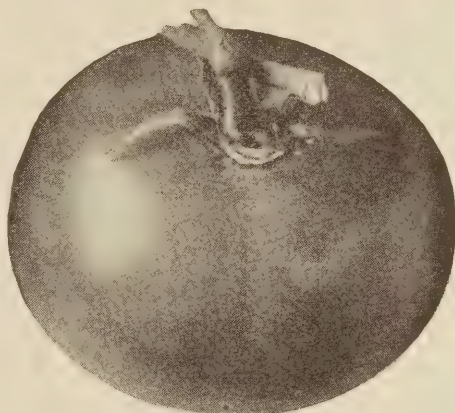
PRESERVING VARIETIES

SAN MARZANO. 80 days. A small fruited variety used for paste and for puree, also for preserves. Fruits rectangular, 2½ inches broad and 3½ inches long; deep red with little juice, and very mild flavor.

YELLOW PLUM. Yellow, plum-shaped, averaging 1 inch in diameter. Excellent flavor.

RED CHERRY. Fruits small, round, bright red.

TOMATO PLANTS. See Page 38.



MARGLOBE, IMPROVED

TOMATOES

	Days	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Bounty	62	\$.10	\$.30	\$.55	\$1.75	\$6.00
Beauty	85	.10	.30	.50	1.70	5.75
Early Stone	77	.10	.25	.50	1.40	4.50
Early Stone Certified.....	77	.15	.35	.65	1.75	5.75
Chalk's Early Jewel	75	.10	.25	.45	1.50	4.75
Earliana	73	.10	.30	.50	1.60	5.40
Earliana Certified	73	.15	.35	.60	1.65	5.85
June Pink	71	.10	.30	.50	1.65	5.50
The Landreth	76	.10	.25	.40	1.40	4.75
Livingston Globe	85	.10	.40	.70	1.85	6.50
John Baer	76	.10	.30	.50	1.60	5.00
Jubilee	85	.10	.40	.75	1.80	6.50
Pearson Improved	78	.10	.40	.75	2.00	7.00
Ponderosa or Beef Steak.....	90	.10	.40	.75	1.85	6.50
Stokesdale	72	.10	.25	.45	1.50	4.75
Stokesdale Certified	72	.15	.30	.55	1.70	5.60
Wasatch Beauty	72	.10	.30	.55	1.75	6.00
Wisconsin No. 55	75	.10	.30	.55	1.75	6.00

DISEASE RESISTANT VARIETIES

Break O'Day	70	.10	.30	.50	1.50	5.00
Marglobe Certified	82	.15	.35	.55	1.70	5.25
Pritchard, Scarlet Topper	77	.10	.30	.45	1.60	5.00
Rutgers	75	.10	.20	.35	1.30	4.40
Rutgers Certified	75	.15	.25	.50	1.50	5.50

PRESERVING VARIETIES

San Marzano	80	.20	.50	.90	2.75	
Yellow Plum	72	.10	.35	.60	1.75	
Red Cherry	72	.10	.35	.60	1.75	

TURNIPS

1 oz. will sow 150 ft.; 1½ to 2 lbs. in rows, 4 to 5 lbs. broadcast will plant an acre.

CULTURE: Turnip is one of the first seeds to be sown in the spring. As soon as the ground can be worked, spade or plow deeply, and prepare the surface finely, raking off the clods and trash. Sow the seeds at once in the freshly dug soil; sow very thinly in rows 1 to 3 feet apart, or broadcast by raking the seeds into the soil ½ inch deep. When up, thin out to 3 inches apart. Soil should not be allowed to become hard or dry, for turnips to be good and mild must be grown quickly. Sowings at intervals of 10 days can be made until the end of August.

PURPLE TOP WHITE GLOBE. (Selected Strain.) 55 to 60 days. More of this variety planted than all other varieties combined, mainly due to three characteristics: First, fine appearance, being globe-shaped, flesh firm and white, skin smooth, pure white, except crown or upper portion, which is richly colored, maroon to deep purple. Second, it is exceptionally sweet and mild. Flesh is crisp, not stringy. Third, it is a quick grower and the yield is heavy; a good keeper.

EXTRA EARLY PURPLE TOP MILAN. 48 days. Extremely early, good for forcing, as well as garden culture. Tops small, compact, strap leaved. Roots medium small, very flat, white throughout. Small tap root. Grown for early bunch trade.

WHITE EGG. 55 to 60 days. Tops medium size, upright, cut-leaved. Roots white, smooth, egg-shaped, 3 to 3½ inches long, white throughout.

SEVEN-TOP TURNIPS. Cultivated exclusively for the tops which are used for greens.

YELLOW TURNIPS

GOLDEN BALL. 60 to 65 days. A delicate and sweet-flavored yellow-fleshed turnip, not of large size but firm, hard and of superior quality. Keeps well.

AMBER GLOBE. 70 days. Roots large, globular shape, skin yellow tinged with green at top, flesh yellowish white, sweet and tender. Good table variety. Grown extensively for stock.

RUTABAGAS

1 oz. to 15 ft. row; 1 lb. per acre

AMERICAN PURPLE TOP. (Gold Seal Quality.) 90 days. A dependable variety for large scale production for storage and shipping. Roots large, round, with small neck and slight tap root; yellow with purple top; flesh light yellow, firm, sweet and tender.

LAURENTIAN (Neckless). A strain of purple top rutabaga. Tops short, practically neckless. Roots medium large, spherical, free from excess side roots; purplish red above ground, light yellow below. Flesh creamy yellow, firm, mild, and sweet. Excellent for shipping and storage.

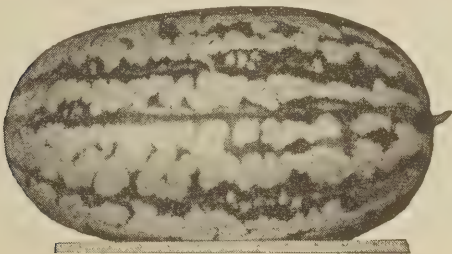
WATERMELONS

PRICES ~~per~~

Our Watermelon seed is a superior product, grown under absolute isolation. No commercial picking is allowed.

3 ozs. to 100 hills; 4 to 5 lbs. will plant an acre.

CULTURE: Watermelons do best in light, rich, well-drained sandy loam. Prepare hills about 8 feet apart each way. Drop 7 or 8 seeds in the hills, covering about ¾ inch deep. As soon as plants commence to run, thin out to three best plants in a hill. Be careful not to irrigate too often. Watermelons are lovers of drought, and frequent deep cultivation. A liberal amount of manure or commercial fertilizer will increase the yield. For best results watermelons should not be planted on ground where grown the previous one to three years. For extra early melons, use our Hotkaps. See page 96.



STRIPED KLONDIKE

EARLY CANADA (SWIKA). 70 days. Recommended in the north or higher altitudes where growing seasons are short. Medium size, nearly round, greenish gray, flesh bright red and of good quality.

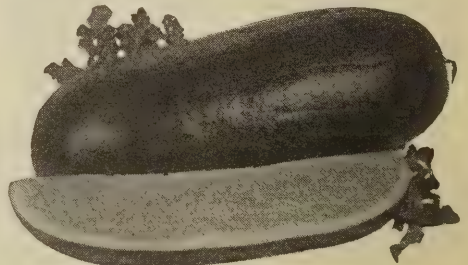
ICEBOX or EARLY SUGAR LUMP. 74 days. These small size watermelons fit nicely in the ice box and are tremendous yielders. Extremely early, delicious in quality, flesh red.

COLE'S EARLY or HARRIS' EARLY. 75 to 80 days. Bears early fruits, medium sized, oval with alternate dark and light green stripes; tender rind. Flesh pink-red, of good flavor; seeds black.

NORTHERN SWEET. 77 days. Adapted to shorter season areas. Fruits small, nearly round, medium green with dark green stripes; rind very thin. Flesh very deep red, crisp, sweet, good flavor.

EARLY KANSAS RED SEEDED. 85 days. Has rapidly gained wide popularity on the markets of the midwest. Fruits are large, nearly round, dark green with alternate stripes of lighter shade. Flesh is firm, a rich red color, exceptionally sweet; seed reddish-brown.

DIXIE QUEEN. (Wilt Resistant). An excellent home garden and shipping melon. Bears an unbelievable number of almost round fruit weighing around 28 pounds. Rind thin and tough, light green color with dark green irregular stripes. Flesh rich scarlet, fine grained, tender, luscious flavor. Seeds are very small and white.



KLECKLEY SWEET

WATERMELONS

NEW HAMPSHIRE MIDGET. Very early. Produces many small 2½ lb. elliptical thin, hard rind melons with bright red, very sweet flesh.

KLONDIKE (Black Seed Peacock). The earliest and sweetest strain of Klondike. In eating quality it is excellent; like all Klondike it has very high sugar content. Flesh bright, deep red, firm, very sweet and tender. Seed small black. Fruit oblong medium size. Rind pure green, 15 to 17 inches long, 9 inches in diameter.

KLONDIKE GREEN RIND NO. 7 (Wilt Resistant). 87 days. Very similar to Klondike No. 3 but somewhat tougher rind. Resistant to Fusarium wilt; yields a few less melons; seed small varying from tan to black.

KLONDIKE STRIPED NO. 11. 87 days. Regarded as the best Klondike for shipping as melons are somewhat larger with a tough rind although medium thin; light green color with dark rattle-snake striping; flesh bright scarlet, solid, deliciously crisp and sugary. Good keeper.

BLACKLEE (Black Seeded Kleckley). 85 days. New wilt resistant. Skin black green; rind tough; flesh brilliant red, sweet, excellent quality, finely grained. Vigorous grower.

IMPROVED KLECKLEY SWEET or WONDER MELON. 87 days. A fine medium early watermelon of superb, luscious flavor. While the rind is perhaps too brittle and thin to admit rough handling, yet it is most desirable to plant for home use or market. The melons are large and oblong in form, with dark green skin. Flesh is bright scarlet with solid heart, deliciously crisp, sugary, and splendid in every way.

KLECKLEY SWEET NO. 6. (Wilt resistant). 88 days. An improved Kleckley Sweet type which has proven almost fully resistant to wilt.

KING AND QUEEN (WINTER QUEEN). 88 days. Especially adapted to the western section of the United States. Fruits medium size, round, light green to ivory color. Flesh bright pink to red. Very firm, crisp, exceptionally sweet and juicy. Seed small, jet black. Ripens early September. Often kept into December without losing any of its fine quality.

TOM WATSON. 90 to 95 days. The outstanding shipping melon; similar in outside appearance to Kleckley Sweet. Fruits very large, uniform, cylindrical; with deep green, faintly veined, tough and elastic rind. Flesh bright red, firm, somewhat coarse; of good flavor.

ROCKY FORD. Same as Kleckley Sweet.

ALL PRICES POSTPAID

TURNIPS	Days	Pkt.	Oz.	¼ lb.	½ lb.	Lb.	5 lbs.
Purple Top White Globe	55	\$.10	\$.15	\$.45	\$.75	\$1.35	\$5.35
Extra Early Purple Top Milan	48	.10	.15	.45	.75	1.35	5.30
White Egg	60	.10	.15	.40	.70	1.20	5.00
Seven-Top Turnips .....	....	.10	.15	.35	.65	1.00	4.50

YELLOW TURNIPS	Days	Pkt.	Oz.	¼ lb.	½ lb.	Lb.	5 lbs.
Golden Ball	60	.10	.15	.40	.70	1.20	4.50
Amber Globe	70	.10	.15	.40	.70	1.20	4.50

RUTABAGAS	Days	Pkt.	Oz.	¼ lb.	½ lb.	Lb.	5 lbs.
American Purple Top	90	.07	.15	.35	.65	1.10	4.75
Laurentian .....	....	.07	.15	.35	.65	1.10	4.75

WATERMELONS	Days	Pkt.	Oz.	¼ lb.	Lb.	5 lbs.
Early Canada	70	\$.10	\$.17	\$.50	\$1.50	\$6.75
Icebox or Early Sugar Lump	74	.10	.17	.45	1.50	6.50
Cole's Early or Harris' Early	76	.10	.17	.45	1.50	6.25
Northern Sweet	77	.10	.18	.50	1.50	6.50
Early Kansas Red Seeded	85	.10	.18	.50	1.50	6.50
New Hampshire Midget	65	.10	.20	.60	1.80	8.50
Dixie Queen, Wilt Resistant.....	85	.10	.18	.50	1.50	6.50
Klondike Black Seed Peacock	85	.10	.18	.50	1.60	6.75
Klondike Green Rind	85	.10	.17	.45	1.60	6.75
Klondike Green Rind No. 7, Wilt Resistant.....	87	.10	.17	.45	1.60	6.75
Klondike Striped, No. 11.....	88	.10	.17	.45	1.60	6.75
Improved Kleckley Sweet or Wonder Melon	87	.10	.17	.40	1.50	6.50
Kleckley Sweet No. 6	88	.10	.17	.45	1.50	6.25
Rocky Ford	88	.10	.17	.40	1.50	6.25
King and Queen.....	88	.10	.17	.45	1.50	6.50
Tom Watson	90	.10	.17	.45	1.50	6.25
Blacklee	85	.10	.17	.45	1.50	6.25
Black Diamond	94	.10	.17	.45	1.50	6.25

PRESERVING MELONS	Days	Pkt.	Oz.	¼ lb.	Lb.	5 lbs.
Citron, Green Seeded10	.17	.45	1.40	6.25
Citron, Red Seeded10	.17	.45	1.40	6.25
Vine Peach or Lemon Cucumber10	.20	.60	.....	.....

PLANTS AND ROOTS

NOTICE: Vegetable and flower plants are very perishable and due to the slower parcel post and express, we cannot assume the responsibility or guarantee that plants will always arrive in good condition. While we will use special care in packing all orders, buyers must assume all risk account damage due to delay in transit. We suggest if it is possible that you grow your own plants as they do so much better when planted immediately after taken from the seed beds. Plants not available after JUNE 1.

NO PLANTS OR NURSERY STOCK SENT C. O. D

VEGETABLE PLANTS

Order not less than 10 of any variety
Pay postage and packing as per TOTAL number
ordered

Plants Ordered	10	100	500	1000
Add Postage	\$.10	\$.19	\$.49	\$.65

CABBAGE. Ready about May 5th.
Early—Golden Acre, Copenhagen Market. Midseason—Globe. Late—Evergreen Hollander, Danish Ballhead, Red Hollander\$.29 \$.98 \$4.40 \$8.40

CAULIFLOWER. Ready about May 5th. Mount Blanc, Snowdrift No. 1639 1.19 5.40 9.90

CELERY. Ready about May 10th. Golden Self Blanching. Ready about May 25th. Pascal Celery. Either Utah or Hartner's New "A" Strain20 .98 4.40 8.40

EGGPLANT. Ready about May 10th. Black Beauty39 1.19 5.40 9.90

ONION PLANTS. See page 24.

PEPPERS. Ready about May 10th. California Wonder, World Beat—California Wonder, Anaheim Chili, Large Red Cherry, Red Chili, Long Red Cayenne39 1.19 5.40 9.90

TOMATO. Ready about May 10th. Bounty, Chalks Early Jewel, Pearson Improved, Beauty, Ponderosa or Beefsteak, Marglobe Improved, Rutgers..... .39 1.19 5.40 9.90

Hybrid Tomatoes—Write for prices.

Write for special prices on larger quantities than those listed above.

VEGETABLE ROOTS, ETC.

ASPARAGUS.

Two-year-old roots.	Per 12	50	100	1000
Mary Washington or Paradise	\$.29	\$.95	\$1.69	\$14.90
Add Postage and Packing..	.17	.25	.45	1.60

RHUBARB (Pie Plant).

MCDONALD. Beautiful dark red color. Large tender stalks. Wonderful flavor for all purposes.
Divisions, each, 49c; 3 for \$1.35.
Postage and Packing, each 8c; 3 for 19c.

VICTORIA. See page 27 for description.
Divisions, Each 15c; 3 for 40c; doz. \$1.39.
Postage and Packing, each 8c; 3 for 19c; doz. 25c.

	Each	Doz.
CHIVES, Sprouted. Big bunch, postpaid....	\$.35	\$3.50

MINT ROOTS. Big clumps, postpaid.....	.30	2.90
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SAGE. One-year clumps, postpaid.....	.40	4.20
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TARRAGON. For Tarragon Vinegar, postpaid35	3.50
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HORSERADISH. This is one of the hardiest vegetables for the garden or farm. It gives results the first year. The larger roots can be taken up and stored or winter use. Crowns, 3 for 25c.
Add postage and packing—17c.

ANNUAL PLANTS FOR THE FLOWER GARDEN

Many people wishing earlier blooms and not having the time to start the young plants indoors from seed, we list below the most popular annuals which are carefully grown by us from our finest seed. Ready May 10th or later.

Do not order less than 10 of a kind or color.

Add postage and packing, per 10, 10c; per 50, 35c;

	10	50
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ASTERS, Crego Giants. All colors.
American Branching, Princess. Page 40 \$.60 \$2.75

AGERATUM, Dwarf, Blue or White.
listed on page 39..... .60 2.75

CALENDULA. Varieties 169-A, 172-A, 173-A, 175-A as listed on page 41..... .60 2.75

CANDYTUFT. 180-A. Page 41..... .60 2.75

CARNATION. Varieties 187-A to 192-A as listed on page 42..... .60 2.75

CANTERBURY BELLS. Annual. 182-A. Page 4160 2.75

FORGET-ME-NOT. 223-A. See page 43..... .60 2.75

GODETIA, Sherwood double. Mixed.
Page 4360 2.75

LARKSPUR. Varieties 253-A, 254-A, 256-A, 259-A. Page 44.....	\$.60	\$2.75
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LUPINS, Russell. Perennial Seedlings. See page 55	2.15	8.95
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MARIGOLD. Varieties 268-A, 269-A, 272-A, 274-A, 278-A. Page 45.....	.60	2.75
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PANSIES. Page 48. Variety 313-A only.....	.75	2.90
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PETUNIA

Firechief. Page 1.....	.75	2.90
Celestial Rose. 331-A. See page 47.....	.60	2.75

Fluffy Ruffles. 346-A. See page 47.....	.60	2.75
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Giants of California. 347-A. See page 47. 1.00		
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Rose of Heaven. 327-A. See page 47.....	.60	2.75
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Elk's Pride. 336-A. Page 47.....	.60	2.75
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Snowstorm Improved. 345-A. Page 47.....	.60	2.75
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SALPIGLOSSIS. See page 49.....	.60	2.75
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SALVIA, Blaze of Fire. Extra fine, Page 49	.75	2.90
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SNAPDRAGON. Mixed varieties as listed on page 4960	2.75
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STATICE. Market Growers Blue and Heavenly Blue. Page 49.....	.60	2.75
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STOCKS. 394A. Page 51.....	.60	2.75
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VERBENA. 415-A to 418-A. Page 51.....	.60	2.75
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ANNUAL FLOWER SEEDS

Biennial and Perennial
Varieties See pp. 53, 54, 55

All Prices Postpaid
HOW TO SOW FLOWER SEED

Flower Seed Treated for Your
Protection and Sturdy Growth

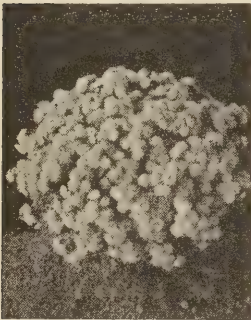
ANNUAL FLOWERS are those which grow, bloom, seed and die in one season. Usually they are the most continuous bloomers. The seed of most annuals may be sown directly in their permanent place; for earlier blooms seed should be started indoors. If that is not convenient, select a warm location in the yard for a seed bed, and after plants are established reset them to their permanent place, but in each method the soil should be a fine, loose, mellow loam and raked smooth. Seed can be sown in rows or broadcast. Do not plant flower seed too deep. Usually a covering with fine pulverized soil equal to four times the diameter of the seed is best. Very fine seed may be merely pressed firmly in the soil. Never allow the covering soil to become dried and caked.

When watering be sure to use a fine spray until the plants have gotten well through the surface.

For early plants when seeds are started indoors, about one-third sand mixed with the soil is best. Keep in shade until the seeds sprout, then place near a window where there is a fair amount of sunlight.

ACROCLINIUM (Everlasting). Bears graceful daisy-like flowers, grown for winter bouquets and decorations. The flowers are usually cut when in the bud state and will open out as they dry.
101A—Giant Double Hybrid Mixed. (Pkt. 10c) ¼ oz. 25c). New. Large flowering.

AGERATUM (Floss Flower) (RG). Very attractive free blooming dwarf border and rock garden flower. Easily grown from seed.



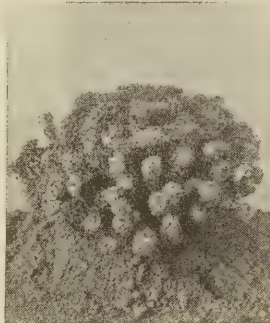
AGERATUM
Blue Ball

Dwarf, very large true blue flowers.

106A—Imperial Dwarf White. (Pkt. 10c) ¼ oz. 35c). Pure white flowers. Plants 7 inches tall, compact, especially adapted for low planting and edging.

ALYSSUM. One of the easiest flowers grown. A quick bloomer, for borders, baskets, pots, rock-work and for cutting. Blooms all season. In borders, sow thickly so as to form masses.

110A—Violet Queen. (Pkt. 10c) ¼ oz. 30c) (½ oz. 40c). Plants are dwarf compact, neat in habit, covered with small sweet scented flowers of a rich, very deep shaded violet from early summer until late fall. Excellent for borders.



ALYSSUM
Violet Queen

103A — Blue Ball Improved Dwarf. (Pkt. 10c) (½ oz. 20c.) Broad green foliage. Plants dwarf symmetrical, 6 in. compact covered with deep azure blue flowers.

104A—Blue Cap. (Pkt. 10c) (½ oz. 45c). Very dwarf and compact dome shaped flower of rich deep blue, finest of Ageratums.

105A—Blue Perfection. (Pkt. 10c) (¼ oz. 35c)

111A—Carpet of Snow. (Pkt. 10c) (¼ oz. 20c) (½ oz. 30c). Extra dwarf, covered with delicate white flowers.

112A—Maritimum (Sweet Alyssum). (Pkt. 10c) (¼ oz. 15c) (oz. 40c). Flowers pure white. Honey-scented.

113A—Little Dorrit. (Pkt. 10c) (¼ oz. 20c) (oz. 50c). 3 to 4 inches. Forms perfect little bushes smothered with miniature white flowers.

Alyssum Perennials. See page 53.

AMARANTHUS. Plants are hardy annuals and are grown for their brilliant foliage. Especially suitable for backgrounds, centers of beds.



115A — Tricolor (Joseph's Coat). (Pkt. 10c) (½ oz. 20c). Leaves variegated yellow and red; flowers crimson.

116A — Caudatus (Love-Lies-Bleeding). (Pkt. 10c) (¼ oz. 20c) (oz. 45c). Long drooping crimson flower spikes with yellowish green foliage. 3 feet tall.

ARCTOTIS
Giant Hybrids

ANCHUSA, Capensis.

118A — Blue Bird. (Pkt. 10c) (½ oz. 20c. One

of the best blue annuals. 2 feet tall covered with intensive blue flowers with white eyes, blooms all summer.

Perennial Varieties, see page 53

ANTIRRHINUM. See Snapdragon, page 49.

ARCTOTIS (African Daisy). Showy, bears profusion of 2½ to 3 inches daisylike flowers, fine for cutting. Does well in sunny location.

120A—Grandis Blue Eyed African Daisy. (Pkt. 10c) (¼ oz. 25c). Flowers silvery lilac with mauve center, foliage gray-green.

121A—Scapigera Giant Hybrids. (Pkt. 10c) (½ oz. 45c). Flowers in white and shades of brown, apricot yellow, pink, red and terra cotta; 10 inches tall.

ASPARAGUS SPRENGERI (Emerald Feather). (Pkt. 20c) (½ oz. 45c). Magnificent trailing plants with needle-like leaves on long branches; fine for hanging baskets, window boxes, etc.

ASTERS. The asters are now among the most interesting, beautiful and satisfactory of flowers; late years have added charming new colors and gigantic size to the kinds now being grown in this country. They thrive and flower throughout the entire summer and there is hardly a prettier sight than a bed of asters in full bloom. The aster is of easy culture. Seed can be sown outdoors but for earlier blooms seed should be sown in March or April in the hotbed or in boxes, and when the plants have three or four leaves transplant to the open, 18 inches apart each way.

DISEASES OF ASTERS

The two main diseases of asters are aster wilt and aster yellows. Wilt can be avoided by using wilt resistant seed. Yellows, we have found, is mainly due to over watering. It is surprising how little water asters require.



ASTER
Crego Giants

Early Queen of the Market—Wilt Resistant. Two weeks earlier than most others. Branching habit. 1½ feet tall, beautiful shades. Fine for cut flowers.

123A—Mixed. (Pkt. 10c) (¼ oz. 30c).

Princess—Wilt Resistant. Plants 2½ feet, branching. Very attractive new cutting type. Early blooming. Flowers 3 to 3½ inches with full crested yellow centers surrounded by several rows of dainty plumelike petals.

125A—Straight colors of scarlet, blue white, yellow or mixed. (Pkt. 15c) (¼ oz. 45c).

Crego Giants or Ostrich Feather—Wilt Resistant.

This is the finest of the Comet Asters. Flowers large, double and have long, narrow, gracefully curled petals. Plants grow about 2½ feet tall.

126A—Deep Rose.

127A—Crimson.

128A—Royal Purple.

130A—Shell Pink.

131A—Light Blue.

132A—White.

133A—Mixed.

Any of above: (Pkt. 10c) (¼ oz. 25c) (oz. 90c).

Early American Beauty. (Wilt Resistant). Identical with American Beauty but blooming much earlier. Plants branching 2½ feet tall. Flowers fully double with prettily incurved petals 4 inches across, compact; unusually long stemmed; excellent cut flower.

135A—Mixed all colors. (Pkt. 10c) (¼ oz. 40c).

American Branching (Vick's). Wilt resistant. Plants 2½ to 3 feet tall, branching, robust flowers, large double, with petals broad and slightly curved. White, lavender, pink, crimson, purple, mixed. Our seed best money can buy.



ASTER
American Branching.
Finest Mixed

136A—Mixed. (Pkt. 10c) (¼ oz. 35c).

BABY'S BREATH (*Gypsophila*). Small, fragrant flowers, borne on long feathery stems. No flower adds more of light and grace to a bouquet than this, and when once grown will be found indispensable.

137A—Special Convent Garden (Alba). (Pkt. 10c) (½ oz. 25c). This is an outstanding large flowering, pure white, annual Baby's Breath of free, easy growth.

138A—Elegans Crimson. (Pkt. 10c) (¼ oz. 20c). A beautiful shade of carmine.

Perennial Varieties, see Gypsophila, page 57.

BABY BLUE EYES (*Nemophila*). Hardest of annuals. Early culture for semi shade.

139A—Insignis Blue. (Pkt. 10c) (¼ oz. 25c). Lovely cup-shaped sky-blue flowers with white centers. Rock garden plant.

BACHELOR BUTTON. Plants grow 2 to 2½ feet tall and if faded flowers are kept cut they will produce continuously double blooms on long stems throughout the summer and fall. Fine for beds, borders and cutting. Also called Ragged Sailor, Ragged Robin and Cornflower. Do well in cool, partly shaded location. Easy to grow.



BACHELOR BUTTON
Double Blue Boy

140A—Black Boy, Double. Maroon.

141A—Blue Boy, Double. Exquisite cornflower blue.

142A—Red Boy, Double. Deep red.

143A—Snow Man, Double. Graceful large white.

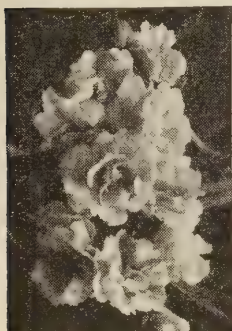
144A—Pinkie, Double. Lovely true pink.

145A—Mixed, Double. All colors mixed.

Any of the above—(Pkt. 10c) (2 pkts. 15c) (¼ oz. 20c).

147A—Jubilee Gem. (Pkt. 10c) (¼ oz. 25c) (oz. 70c). Extra dwarf. Bushy. Double Dark blue flowers. Vivid green foliage.

BALLOON VINE (Love-in-a-Puff). Hardy annual climber growing 10 feet in height. Foliage light green. Bears small white flowers, followed by inflated seed pods resembling small balloons. Used mostly to cover fences, etc., because of its free and rapid growth.



BALSAM
Camellia Flowered

150A — (Pkt. 10c) (oz. 25c).

BALSAM (Lady Slipper).

A very easy and satisfactory annual to grow

152A — Camellia Flowered. (Pkt. 10c) (¼ oz. 25c). Plants 2 feet tall, bushy, covered with large double blooms.



CALENDULA
Sunshine

CALENDULA (Pot Marigold.) Large double flowers blooming all summer. Plants grow 1½ to 2 feet high. They are easy to grow, a constant bloomer and a very desirable flower.

PACIFIC BEAUTY (Heat Resistant). A new class of Calendula with extra large, graceful blooms that are less formal, have straighter stems. Colors clearer, more heat resistant than the regular strains.

167A—Apricot Beauty. Bright two-tone apricot.

168A—Persimmon Beauty. Persimmon orange.

169A—Lemon Beauty. Pure lemon, long petals.

170A—Pacific Beauty. Mixed.

(Pkt. 10c) (¼ oz. 25c).

171A—Sunshine (Chrysanth). (Pkt. 10c) (¼ oz. 20c). Flowers large, yellow with long curling petals; fine for cutting.

172A—Double Lemon Queen. (Pkt. 10c) (½ oz. 20c). Large lemon or sulphur.

173A—Ball's Gold. (Pkt. 10c) (¼ oz. 15c) Beautiful variety especially adapted for forcing. Deep glowing orange.

174A—Radio. (Pkt. 10c) (½ oz. 20c). Quilled orange-colored petals.

175A—Double Mixed. (Pkt. 10c) (½ oz. 20c). Mixture of shades of orange, yellow and primrose.

BLUE LACE FLOWER. Attractive annual with dainty lavender flowers. Excellent for cutting.

154A—Didiscus Coruleus. (Pkt. 10c) (¼ oz. 40c).

BURNING BUSH. See Kochia.

CACALIA (Tassel Flower). An easy growing annual suited for borders and cutting. Each flower is a miniature paint brush borne on long, wiry stems. Red, orange and yellow blossoms.

155A—Mixed. (Pkt. 10c) (½ oz. 20c).

CALLIOPSIS. Easily grown in almost any location. Very showy, daisylike flowers in a wide variation of yellow and orange tones with finely cut foliage. Blooms continuously.

157A—Golden Crown. (Pkt. 10c) (¼ oz. 25c). Large golden yellow flowers on 12 inch wiry stems.

158A—Golden Wave. (Pkt. 10c) (¼ oz. 20c). Pure yellow, center dark brown.

159A—Tail Finest Mixed. (Pkt. 10c) (¼ oz. 20c) These are yellow, orange, and maroon, many marked with band of contrasting color.

CALIFORNIA POPPY (Eschscholtzia). Cheerful blooms and finely cut foliage. Sow where plants are to remain. Hardy annual, grows 1 to 1½ feet high.

160A—Aurantiaca (True California Poppy). Golden yellow.

161A—Mandarin. Inside of petals orange, outside scarlet.

162A—Golden West (California). Yellow with orange center.

163A—Alba. Reselected white.

164A—Carmine King. Deep crimson.

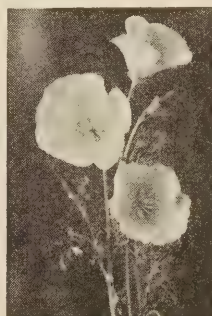
165A—Brilliant Prize Mixture.

Any of the above—(Pkt. 10c) (¼ oz. 20c).

166A—Ramona Hybrids. (Pkt. 10c) (½ oz. 25c).

Flowers beautiful golden bronze within and copper-rose outside with frilled edges.

Seed treated for sturdy growth.



CALIFORNIA POPPY

All Prices Postpaid



CANDYTUFT
Hyacinth Flowered

178A—Rose Cardinal. (Pkt. 10c) (¼ oz. 20c). Bears an abundance of rose colored flowers.

179A—Giant Hyacinth Flowered. (Pkt. 10c) (¼ oz. 20c). Large spikes of purest white flowers, erect habit and a free bloomer. Recommended for cut flower and bedding.

180A—Superfine Mixed. (Pkt. 10c) (¼ oz. 20c).

CANTERBURY BELLS. (Campanula). Bears a great profusion of attractive, bell-shaped lavender, blue, pink and rose flowers. Grows from two to four feet.

182A—Annual Mixed. (Pkt. 15c) (¼ oz. 40c). Flowers and plants same as Biennial Canterbury Bells but these bloom the first year from seed; for early blooms start seed indoors.

CASTOR OIL BEANS (*Ricinus*).

183A—Zanzibariensis, Mixed. (Pkt. 10c) (oz 15c). (¼ lb. 50c). A large growing ornamental, tropical appearing plant, beautiful in backgrounds. Does best in warm locations. An enormous, large growing variety attaining a height of 10 to 12 feet with large-lobed leaves in green, red, and bronze.

184A—Redspire. (Pkt. 10c) (1 oz. 20c) (¼ lb. 60c). A beautiful variety of medium growth 6 to 8 feet. The leaves are red-bronze, stems and spikes of flowers are crimson.

CARNATION. They are very neat in habit and are remarkable for their rich profusion of flowers. Can be sown in early spring but most satisfactory method is to start indoors and transplant to the open about 18 inches apart. All are biennial if given some protection through the winter.

Marguerite. The earliest blooming carnations, growing an abundance of flowers on good strong stems. Plants 16 to 20 inches.

187A—Good Well Balanced Mixture. (Pkt. 10c) (½ oz. 25c).

Chabaud's Giant Improved. Finest of carnations. Start seed indoors, bloom in five months and continue throughout the summer. Plants 16 to 20 inches, robust, upright and form 10 to 20 stalks bearing huge fine flowers. With some protection from cold it will bloom second year.

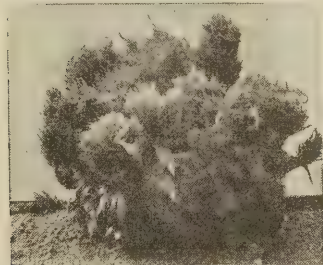
189A—Nero. (Pkt. 20c) (½ oz. 50c). Deep dark crimson.

190A—Jeanne Dionis. (Pkt. 20c) (½ oz. 50c). Large white.

191A—Marie Chabaud. (Pkt. 20c) (½ oz. 50c). Yellow.

192A—Mixed. (Pkt. 15c) (½ oz. 40c). Finest all colors.

COCKSCOMB (*Celosia*). Graceful, handsome, pyramidal plants, each branch tipped with a brilliant colored plume or comb.



COCKSCOMB, Plumosa

they flowers of fiery scarlet and golden yellow.

196A—Golden Plume. (Pkt. 10c) (½ oz. 25c). Silky heads. Golden yellow. Plants branching.

(Continued next column)

197A—Scarlet Plume. (Pkt. 10c) (¼ oz. 25c). Deep scarlet plumes. Compact plants.

198A—Crested Cockscomb Dwarf. (Pkt. 10c) (½ oz. 30c). Plants 10 inches with large heads or combs of many fine shades of yellow, orange, crimson, rose and purple.

CENTAUREA CYANUS. See Bachelor Button, page 40.

CENTAUREA IMPERIALIS. See Sweet Sultan, page 51.

CHRYSANTHEMUM DAISIES (Annual). Flowers of easy culture, fine for cutting. Sow seed in May. For earlier blooms sow seed indoors and transplant to 10 inches apart.

199A—Eastern Star. (Pkt. 10c) (¼ oz. 35c). Large, single, light yellow, chocolate center.

200A—Yellowstone. (Pkt. 10c) (¼ oz. 35c). Favorite chrysanthemum for cutting. Flowers large, double, sulphur yellow.

201A—Painted Daisy Merry Mixture. (Pkt. 10c) (¼ oz. 15c). Single. Plants 2½ feet, strong stems, profusion of daisylike flowers mostly in shades of yellow, orange, scarlet, white with 2 zones of contrasting darker colors encircling the center.

202A—Dunnitts Hybrids Double Mixed. (Pkt. 10c) (¼ oz. 30c). Flowers golden yellow, white, and scarlet; daisylike flowers.



PAINTED DAISY
Single Annual

CLARKIA. A very pretty and graceful plant. Bushy light green foliage. Blooms early and freely with quantities of delicately colored double flowers in rosettes. Covering entire stock of the plant. Height 2 feet. Does well in semi-shade.

204A—Choice Double Mixed. (Pkt. 10c) (¼ oz. 25c).

COLEUS. Handsome decorative plant with brilliantly varied colored foliage. Plant in full sun.

205A—Small Leaved Hybrid Mixed. (Pkt. 20c) (1/16 oz. 40c). Extraordinary bright color.

206A—Rainbow Mixture Improved. (Pkt. 30c) (1/16 oz. 60c). New strain with large leaves distinguished by its beautiful colors and markings and robust compact growth. Finest strain obtainable.

COSMOS. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses or along background border against evergreens or fences. Sow outdoors.

Extra Early Mammoth Single. Graceful 4½ inch sized flowers on long stems 72 days after seeding. Plants 5 feet tall.

207A—Pink.

209A—White.

208A—Crimson.

210A—Mixed.

(Pkt. 10c) (¼ oz. 15c) (½ oz. 25c)

(Continued next page)

COSMOS (Continued)



COSMOS
Radiance

COSMOS EXTRA EARLY SENSATION. Giant flowers 4 to 6 inches across, 10 weeks from seeding, fluted petals. Plants robust, 4½ feet. Excellent for cutting.

211A — Dazzler. (Pkt. 10c) (¼ oz. 25c). Rich deep crimson. Yellow eyed center.

211AA — Radiance. (Pkt. 10c) (¼ oz. 25c). Deep rose overlaid with rich crimson towards yellow eyed center.

212A—Purity. (Pkt. 10c) (¼ oz. 25c). Large pure white.

212AA—Mixed. (Pkt. 10c) (¼ oz. 25c.) Rose, crimson and white flowers.

213A—Orange Flare. (Pkt. 10c) (¼ oz. 25c). Grows 3 feet tall with beautiful golden orange blooms 3 inches across.

DAHLIAS. There is a fascination in growing Dahlias from seed as they always produce many new types and colors. They will flower the first season if sown early or started in boxes and transplanted. Protect the tubers over winter in a dry cellar in sand.



DAHLIA
Mignon

213AA—Mignon Mixed. (Pkt. 10c) (¼ oz. 25c). Grows 14 inches. Finest of single dahlias; ideal for bedding and cutting; will give profusion of colors first year if seed started indoors.

214A—Unwin's Hybrids Mixed. (Pkt. 15c) (¼ oz. 30c). Double and semidouble in many charming colors. Plants bushy 20 inches.

215A—Choice Tall Single Mixed. (Pkt. 10c) (¼ oz. 25c). Heavy bloomer 36 inches tall.

215AA—Choice Tall, Double Mixed. (Pkt. 15c) (¼ oz. 30c). Many colors. 36 inches tall.

DAISIES

216A—African (Dimorphotheca). (Pkt. 10c) (¼ oz. 40c). Is a rare and very showy annual from South Africa. Has daisylike flowers of orange, salmon and white with black central ring.

217A—Swan River (Brachycome). (Pkt. 10c) (¼ oz. 40c). Free-flowing dwarf annuals covered during the greater part of summer with a profusion of pretty many-colored flowers. Suitable for edgings. 9 inches.

Painted Daisy. See *Chrysanthemum*, 201A.

218A—Datura (Angel's Trumpet). Wrightii. (Pkt. 10c) (½ oz. 20c). An annual very easily grown from seed. Requires very little water. Produces large bushes filled with large white trumpet-shaped flowers.

DUSTY MILLER (Centurea).

219A—Candidissima. (Pkt. 15c) (½ oz. 25c). 10 inches. Thick, broadly cut, silvery white leaves.

220A—Gymnocarpa. (Pkt. 10c) (¼ oz. 25c) Finely divided silver-white leaves of a wooly texture.

Attractive for borders and beddings. 15 inches.
EVERLASTING FLOWERS. See *Acroclinium*, *Globe Amaranth*, *Helichrysum*, *Statice*, and *Xeranthemum*.

FEVERFEW (Matricaria). Balls Double White

221A—(Pkt. 10c) (¼ oz. 25c). Pretty and neat. Small, double white flowers, being hardy annual, growing 2 feet.

FORGET-ME-NOT MYOSOTIS, VICTORIA. Plants very dwarf, compact, large flowered.

222A—Azure Blue. (Pkt. 15c) (½ oz. 35c) (oz. \$2.25).

223A—Rose. (Pkt. 20c) (½ oz. 35c) (oz. \$2.00).

FORGET-ME-NOT, CHINESE (Cynoglossum). An easily grown hardy annual of brisky habits. Bears throughout the summer graceful sprays of Forget-Me-Not like flowers. Recommended for beds and borders.

224A—Firmament. (Pkt. 10c) (¼ oz. 20c). Plants bushy, dwarf; flowers sweet scented, violet blue.

FOUR O'CLOCK (Marvel of Peru). An easy grown thrifty annual. Plants 2 feet tall with spreading branches; requires plenty of room; bears profusion of red, yellow, pink, lilac, white and variegated flowers which fully open about 4 o'clock in the afternoon.

225A—Mixed Colors. (Pkt. 10c) (½ oz. 20c).

GALLARDIA PICTA. Sow in April or May. Provide a continued show of bright flowers from early summer until frost. Hardy varieties, see Perennial list.

226A—Lorenziana Double Mixed. (Pkt. 10c) (¼ oz. 30c). Continuous bloom. Orange, yellow, red and rose ball flowers. Plants 1½ feet.

227A—Indian Chief. (Pkt. 10c) (¼ oz. 30c) Copper red flowers with bronze center.

Gaillardia Perennial—See Page 54.

GLOBE AMARANTH (Gomphrena) (Everlasting).

Produces small, very showy, everlasting globe-shaped flowers. When about half full bloom, flowers should be cut and hung up to dry. Will hold their color all winter.

229A—Finest Mixed. (Pkt. 10c) (¼ oz. 20c).

GODETIA (Satin Flower).

Attractive bushy plant with masses of large colorful blooms throughout the summer and fall. Thrives best in cool moist soil and half shady location.

230A—Sybil Sherwood

Dwarf Double. (Pkt. 10c) (¼ oz. 40c). Pink-salmon flowers with white edging which completely hide the foliage.

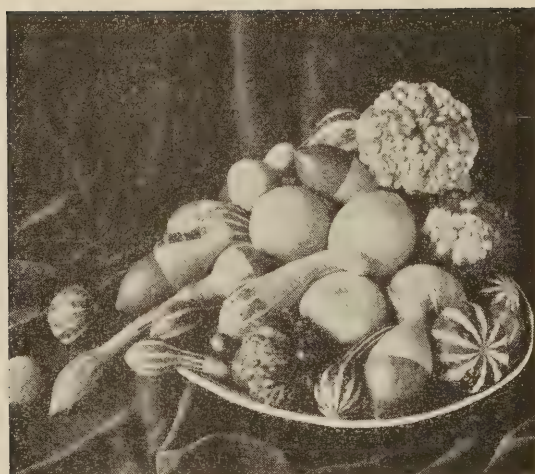


GODETIA

231A—Grandiflora. (Pkt. 10c) (¼ oz. 25c). Mixed double, 2 feet tall, gladioli like flowers in long trusses, excellent for cutting.

All Prices Postpaid

Seed treated for sturdy growth.



MIXED GOURDS

GOURDS (Ornamental). Climber. Quick growing vines; excellent for covering arbors, walls and waste places. Gourds grow in curious shapes and are used for house ornaments.

235A—Finest Mixed Large Varieties. (Pkt. 10c) (2 pkts. 15c) (oz. 20c)

236A—Finest Mixed Small Varieties. (Pkt. 10c) (2 pkts. 15c) (oz. 20c).

HELICHRYSUM (Giant Strawflowers). Beautiful in the garden or when cut, but mostly grown to dry for winter bouquets. If wanted for winter use, cut them when partially open, remove foliage, bunch loosely, and hang with the heads downward in a cool, dry, shady place until dry. Flowers are double, 2 inches and more across, and are freely borne on strong, upright plants from midsummer until fall. 2 to 2½ feet.



**HELICHRYSUM
Mixed**

237A—Finest Mixed. (Pkt. 10c) (¼ oz. 20c).

HELIOTROPE. These well known greenhouse and bedding favorites are highly valued for their sweet scented flowers.

240A—Madam Braunt. (Pkt. 10c) (¼ oz. 40c). Dwarf, velvet blue, white eye.

241—Mammoth Flowering Hybrid Mixed. (Pkt. 10c) (¼ oz. 40c).

HOLLYHOCKS.

242A—Indian Spring Hollyhock. (Pkt. 10c) (¼ oz. 20c). Blooms first year, grows 4 feet tall, stalks covered with a profusion of light pink to almost crimson semi-double crinkly-edged blooms.

HOLLYHOCKS, PERENNIAL, see page 55.

HUNNEMANNIA.

243A—Sunlite. (Pkt. 10c) (¼ oz. 35c). Gorgeous semi-double, clear, canary-yellow, tulip-shaped flowers. Plants 2 feet. Grows anywhere.

HYACINTH BEAN (Dolichos). A fine climber with clusters of purple and white flowers.

245A—Mixed Colors. (Pkt. 10c) (¼ oz. 20c).

JAPANESE HOP (Humulus).

246A—(Pkt. 10c) (¼ oz. 20c). There is no hardier vine than this. Resists drought and insects will not bother it. It is a rapid climber and one of the best for covering verandas, trellises, unsightly fences, etc.

JOE'S TEARS (Coix).

247A—(Pkt. 10c) (¼ oz. 20c). Ornamental grass with broad, cornlike leaves and lustrous slate-colored seeds used for beads. Valuable for winter bouquets with everlastings.

KOCHIA. Resembles a closely clipped ornamental evergreen. The pyramidal bushes are compact, dense and of green color, but in early autumn the whole bush becomes blood-red. Suitable for hedges, backgrounds, or may be grown singly.

249A—Childsi (Burning Bush). (Pkt. 10c) (¼ oz. 20c). Bush compact. 2 feet. Turns red in fall.

250A—Trichophylla (Summer Cypress). (Pkt. 10c) (¼ oz. 20c). Symmetrical oval 3½ feet tall.

LANTANA. A rapid growing plant. The flowers borne in Verbena-like heads, embracing every shade of pink, purple, orange, and white. Height, about 2 feet. In warm climates may be grown as a perennial.

251A—Hybrid Mixed. (Pkt. 10c) (⅓ oz. 25c).

LARKSPUR. These free-blooming annuals are very quick growers. Seed planted in the open ground in spring will soon produce beautiful flowers, borne on long, stately spikes. Very effective in beds or masses and furnish fine cutting material. Height, 3 to 4 feet.

252A—Stock Flowered (Tall, Double Mixed). (Pkt. 10c) (¼ oz. 25c) (½ oz. 40c). This variety branches from main stem. Very showy.

Giant Imperial. Flowers double, and carried continuously on stems 3 feet tall, which branch from the base of the plant. Upright and compact.



**LARKSPUR
Giant Imperial**

253A—Blue Bell. Azure blue.

254A—Carmine King. Deep carmine.

255A—Peach Blossom. Light pink.

256A—Lilac Spire. Brilliant lilac.

257A—Gloria. Brilliant deep rose.

258A—White King. Best pure white.

Above Straight Colors. (Pkt. 10c) (¼ oz. 25c).

259A—All Colors Mixed. (Pkt. 10c) (¼ oz. 20c)

All Prices Postpaid

Seed treated for sturdy growth.

LINUM

260A—Scarlet Flax. (Pkt. 10c) (¼ oz. 20c). Brilliantly colored summer annual, grows 14 inches high. Flowers rich crimson.

BLUE FLAX—see Perennials, page 55.

LOBELIA. Easily grown, covered with flowers throughout the season, fine for borders and rock gardens.

261A—Crystal Palace Compacta. (Pkt. 15c) (½ oz. 30c). Superior strain. Grows 3 to 4 inches in height; leaves and stems dark. Plants a mass of deep blue flowers.

262A—Emperor Williams. (Pkt. 15c) (½ oz. 30c). 4 inches tall, light foliage, gentian blue flower.

263A—Hamburkea. (Pkt. 10c) (½ oz. 30c). Flowers pale blue. Trailing habit excellent for hanging baskets.

LUPINS HARTWEGI Easily grown, sow seed in April in partial shade, thin out 10 inches.

264A—Giant King Hybrids Mixed. (Pkt. 10c) (½ oz. 25c). 3½ feet tall, produces 4 to 5 long erect spikes with large dark blue, sky blue, rose and white flowers.

Russell Lupin—see Perennials, page 55.

MARIGOLDS. Easily grown annual; sow soon as ground is warm, in sunny location, avoid overcrowding; fine for cutting. The odor which is objectionable to some comes from the leaves, not the blossoms. If allowed to stand overnight in water, odor will disappear, however, a number of varieties are odorless.

LARGE FLOWERED VARIETIES

265A—Mammoth Mum. (Pkt. 15c) (½ oz. 50c).

The true mum, ball-like, fluffy, light yellow blooms are 3½ in., borne on long stems. Plants upright, 30 inches.

266A — Pot O'Gold. (Pkt. 10c) (½ oz. 20c). Blooms early. 100% double. plants dwarf and compact, flowers golden orange, and 4 to 4½ inches in diameter.

267A—Sunset Giant. (Pkt. 10c) (¼ oz. 25c). The standard giant Marigold, sometimes 6 inches; in orange, gold,

lemon and primrose. Flowers sweetscented. Plants 3½ to 4 feet; comes 60 per cent double.

268A—Orange Prince. (Pkt. 10c) (¼ oz. 25c). Bears on long stems large double golden orange ball shaped flowers.

269A—Lemon Queen. (Pkt. 10c) (¼ oz. 25c). Identical to Orange Prince except blooms are yellow.

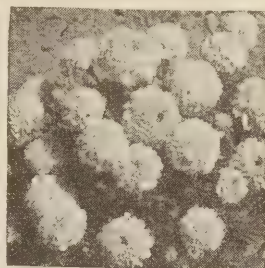
270A—African Tall Double Mixed. (Pkt. 10c) (¼ oz. 25c). Large globular flowers of compact quilled petals orange and yellow. Height 2½ feet.



**MARIGOLD
Mammoth Mum**

MEDIUM and SMALL FLOWERED VARIETIES

271A — Harmony or Orange Crown. (Pkt. 10c) (¼ oz. 15c) (½ oz. 25c). Excellent bedding and cut flower variety; plants dwarf, compact, 15 inches, free flowering, flowers golden yellow bordering maroon red, scabious shaped.



**MARIGOLD
Cupid**

272A — Yellow Pygme Lilliput. (Pkt. 10c) (¼ oz. 35c). Blooms very early and continuous bloomer until frost.

Double, sparkling, light lemon yellow flowers. 1½ inches across, covers the bushy 8 inch plant. Ideally suited for borders, rock gardens, and in display beds.

273A—Limelight. (Pkt. 10c) (¼ oz. 35c). A pale yellow Chrysanthemum-flowered type; early, 3 feet. Flowers 2 inches in diameter. Free flowering.

274A—Golden Ball. (Pkt. 10c) (¼ oz. 25c). Plants 10 inches tall, covered with double dahlia or ball shaped flowers of deepest golden yellow.

275A—Cupid. (Pkt. 20c) (½ oz. 40c). 9 inches, bushy and compact; covered with Chrysanthemum-like, light yellow, 2 inch flowers. Foliage free from Marigold odor. Excellent for bedding and borders.

276A—Yellow Supreme. (Pkt. 10c) (¼ oz. 25c). All American winner, has large fluffy well rounded, delicate, sweet fragrant, creamy yellow flowers, plants 2½ feet, branching foliage practically free from odor.

277A—Guinea Gold. (Pkt. 10c) (¼ oz. 25c). Extremely popular and excellent for cut flowers and beds. The 3 inch blooms are brilliant orange fused with gold and have ruffled loosely placed petals. Grows 2½ feet.

278A—Burpee Gold. (Pkt. 10c). Plants odorless, 2½ feet. Flowers 3½ inches, bright orange.

279A—French Dwarf Mixed. (Pkt. 10c) (¼ oz. 20c). Early flowering, plants 1 foot, uniform and bushy, blooms range in color from lemon, yellow, deep orange to maroon-brown.

280A—African Dwarf Double Mixed. (Pkt. 10c) (¼ oz. 25c). Plants 14 inches, flowers light primrose, golden yellow to deep orange.

MIGNONETTE. A well known favorite annual in all gardens. Cultivated for its fragrant flowers, which come quickly. Set in compact spikes. Sow in early spring.

281A—Prizetaker. (Pkt. 10c) (¼ oz. 20c). Dwarf in habit, with enormous thick spikes of brilliant red.

282A—Large Flowering Special Mixed. (Pkt. 10c). (½ oz. 20c). Continuous bloom of sweetscented flowers on 12 to 15 inch plants.

MOONFLOWER. Grows 10 to 15 feet high, makes nice shade for porches and bears large, trumpet-shaped flowers, richly scented, which bloom in the evening and on cloudy days. Late bloomer.

283A—Finest Quality. (Pkt. 10c) (¼ oz. 25c). Seed Treated for sturdy growth.

All Prices Postpaid

MORNING GLORY (*Ipomea*). Easily grown. Soil should not be very rich. Plant outdoors when ground is warm. Soaking seed in warm water overnight hastens germination. For earlier blooms start seed indoors in early April and set in garden when frost is past.



BUSH

MORNING GLORY 286A—Scarlet O'Hara. (Pkt. Royal Ensign 10c) (¼ oz. 25c). Rapid climber. Flowers beautiful, rich wine red of good size. Gold Medal All-American.

287A—Crimson Rambler. (Pkt. 10c) (¼ oz. 20c) (oz. 40c). A strong climber, has ruby red flowers with white throat.

288A—Cornell. (Pkt. 10c) (¼ oz. 25c). The early large bright carnelian red flowers edged pure white. Vigorous grower.

289A—Tall Mixed. (Pkt. 10c) (½ oz. 15c) (oz. 20c). Rapid grower. Flowers are bell-shaped, of many bright colors.

290A—Royal Ensign (Bush). (Pkt. 10c) (¼ oz. 25c). Plants 1 foot, covered with small deep, bright, ultra-marine blue morning glory flowers with a white halo and gold throat.

291A—Dwarf Mixed Bush Morning Glory. (Pkt. 10c) (½ oz. 15c). Grows 1 foot tall, bears small trumpet flowers which stay open all day. For beds, borders and rock gardens.

MOURNING BRIDE (*Scabiosa*). Well established garden favorites. They commence to bloom early in July, continuing until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders, growing two feet in height.

292A—Blue Moon. (Pkt. 10c) (¼ oz. 30c). The large full double blooms are a beautiful deep lavender blue, are borne on long stems highly recommended for cutting.

293A—Giant Double Mixed. (Pkt. 10c) (¼ oz. 25c). This mixture is composed of the new giant varieties. Have very large flowers in an unusual number of rare and pleasing colors.

NEMESIA. This is a very pretty annual, of dwarf habit and will make pleasing masses for foreground beds, edging and filling; produces orchid-like flowers, varied in color. Height 1 foot.

294A—Large Flowering Mixed. (Pkt. 10c) (½ oz. 30c).

All Prices Postpaid

285A—Clarke's Early Flowering Heavenly Blue. (Pkt. 10c) (¼ oz. 20c) (oz. 40c). The finest of all morning glories; the earliest flowering variety; flowers measure 3½ to 4 inches across; deep sky blue; shading light golden yellow in throats. Vines grow 15 feet tall and covered with blooms from early summer until frost.

NASTURTIUM. Of easy culture. Ordinary soil is best as over-rich will cause plants to produce more leaves than flowers. Sow outside late April.

TRAILING VARIETIES

296A—Golden Gleam Double (Semi-trailing). (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Large fragrant, golden flowers borne above the foliage.

297A—Scarlet Gleam Double (Semi-trailing). (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Flowers fiery orange scarlet, sweet scented.

298A—Gleam Hybrids Mixed Double (Semi-trailing). (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Beautiful shades and combinations of cream, white, yellow, orange, red, mahogany, cerise, crimson.

299A—Single Tall Varieties Mixed. (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Used for trailing over fences, trellis, etc. Wide variety of colors. Valuable for cutting.

BUSH VARIETIES, 1 ft. high

300A—Golden Globe Double. (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Same as Golden Gleam except plants bushy, globe shaped; heavy bloomer.

301A—Fire Globe Double. (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Flowers flaming red with dark green leaves. Plants compact, globe.

302A—Double Globe Mixed. (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Contains yellow, red, primrose, mahogany, scarlet varieties.

303A—Single Bush Varieties Mixed. (Pkt. 10c) (½ oz. 15c) (1 oz. 25c). Contains yellow, red, primrose plants; 1 ft. high; attractive foliage; variety of blooms.

NICOTIANA (*Flowering Tobacco*). A free-flowering annual, blossoms resemble the petunia, and emit a very powerful perfume. As soon as soil is warm, sow in open; easily grown.

304A—Crimson Bedder. (Pkt. 10c) (¼ oz. 30c). Dwarf, compact; 16 inches tall covered with rich crimson petunia like blooms.

305A—Daylight (Hybrids). (Pkt. 15c) (⅓ oz. 25c). Plants bushy, 18 inches. Pure white blooms remain open even during brightest day.

306A—Affinis Hybrids Mixed. (Pkt. 10c) (⅓ oz. 20c). Includes many shades of rose, red, and creamy white; delightfully fragrant.

NIGELLA. Easy to grow; quick to bloom; very desirable annual for many purposes, especially graceful as cut flowers. Blooms early and long.

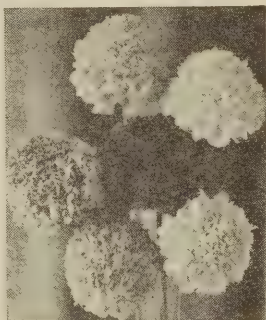
307A—Miss Jekyl (Love in a Mist). (Pkt. 10c) (¼ oz. 20c). Double, sky blue.

308A—Double Sorts Mixed. (Pkt. 10c) (¼ oz. 20c). Contains white and shades of blue.

NIEREMBERGIA. Plants form a dense mat 6 inches high, 1 ft. across, thickly covered with beautiful cup-shaped flowers; does best in full sun.

309A—Purple Robe. (Pkt. 25c) (1/32 oz. 75c). Attractive blue flowers, do not fade in sun.

Seed Treated for sturdy growth.



SCABIOSA
Giant Double Mixed



NASTURTIUM
Golden Globe Double

PETUNIA

(ALSO SEE PAGE 1)

CULTURE: There is no flower more highly prized for use in beds, massing, borders, window-boxes, baskets and vases. Succeeds in almost any soil and produces very frequent blooms the entire season. Sow thinly in early spring when soil has become warm or for earlier blooms start seeds indoors in pots or shallow boxes of fine soil. Cover seeds very lightly, never more than 4 times diameter of seed.

PETUNIA (Single Bedding). Grows 1½ to 2 feet tall. Produces an abundance of single flowers throughout the summer and fall.

320A—Blue Bee. (Pkt. 10c) (½ oz. 30c). Clear medium blue.



PETUNIA
Hybrida White King

PETUNIA (Hybrida, Single, Dwarf Plants). This is the variety so much used in beds or masses as it grows erect and bushy, 12 to 15 inches high. Blooms freely; flowers are large and showy.

327A—Rose of Heaven. (Pkt. 10c) (½ oz. 35c). Fiery rose, heavy bloomer.

328A—Blue Bedder. (Pkt. 10c) (½ oz. 40c) Heavenly blue. Plants dwarf compact.

329A—Blue King. (Pkt. 10c) (½ oz. 40c). Deep blue with darker throat.

330A—Violacea. (Pkt. 10c) (½ oz. 40c). Deep violet blue.

331A—Celestial Rose. Improved Rose of Heaven. (Pkt. 10c) (½ oz. 40c). Large flowers, soft rose.

332A—Snow-Ball Improved. (Pkt. 10c) (½ oz. 35c). Uniform compact plants covered with pure white flowers.

333A—Rosy Morn. (Pkt. 10c) (½ oz. 35c). Light rose. White throat.

334A—Glow. (Pkt. 15c) (½ oz. 50c). Dazzling carmine red.

335A—Mixed. (Pkt. 10c). (½ oz. 30c). All dwarf varieties and colors well blended.

335B—Fire Chief. (Pkt. 20c) (½ oz. 95c). Dwarf compact plant. Flowers single, intense scarlet red.

321A—General Dodds. (Pkt. 10c) (½ oz. 30c). Velvety blood red.

323A—White King. (Pkt. 10c) (½ oz. 30c). Pure white flowers, bushy.

324A—Radiance. (Pkt. 10c) (½ oz. 30c). Cerise rose, yellow throat.

325A—Rose King Improved. (Pkt. 10c) (½ oz. 30c). Rich rose, white throat.

322A—Howard Star. (Pkt. 10c) (½ oz. 30c). Reddish purple with white star.

326A—Mixed. (Pkt. 10c) (½ oz. 35c). All colors.



PETUNIA
Celestial Rose

PETUNIA BALCONY (Tall, Branching, Plain Edges. Single). **Pendula.** Grows 16 to 24 inches; suitable for backgrounds, porch boxes, etc. Large flowers.
336A—Elk's Pride. (Pkt. 20c) (1/16 oz. 75c). Well known favorite, blooms large of deep violet purple forming a five pointed star, lobed edges.

337A—Violet Blue. Dark violet blue.

338A—Rose.

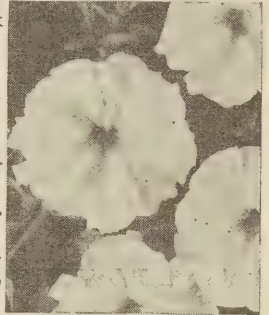
339A—Crimson. Red.

340A—White. Pure white.

341A—Black Prince. Velvety purple.

342A — All Varieties. Mixed.

Price on Balcony Petunias. (Pkt. 20c) (1/16 oz. 55c).



PETUNIA FANCY TYPES

(Large, Single). Many flower growers consider these the most beautiful petunias. Flowers grow large in beautiful colors. Fine for bedding and cut flowers.

343A—Theodosia. (Pkt. 25c) (1/64 oz. 75c). Rose-pink with a clear golden throat; veined deep purple. One of the finest fringed petunias.

344A—Elk's Pride Dwarf Improved. (Pkt. 25c) (1/32 oz. \$1.40). Same as regular Elk's Pride except plants semi-dwarf, compact.

345A—Snowstorm Fringed. Grandiflora. (Pkt. 30c) (1/32 oz. \$1.50). The finest white petunia. A compact grower, covered with glistening

4-inch snow white fringed flowers with shaded yellow throat.

346A — Fluffy Ruffles (Giant Single Fringed). (Pkt. 25c) (1/32 oz. \$1.10). Flowers large and so ruffled and frilled they have the appearance of being double. An excellent mixture of all colors and shades. Grows 14 to 16 inches, covered with blooms.



PETUNIA
Fluffy Ruffles

347A—Giants of California (Fringed). (Pkt. 25c) (1/32 oz. \$1.10). This is the largest flowered petunia. Flowers fringed, often measure 6 inches across with beautiful color assortment.

348A—Glorious All Double Giant Fringed. (Pkt. 75c) (1/64 oz. \$12.00). A mixture made of the leading named varieties. Flowers extra large, fringed, of many colors. Plants semi-dwarf, branching. We suggest starting seed indoors in pots or shallow boxes.

All Prices Postpaid

Seed Treated for sturdy growth.

PANSIES. One of the most popular flowers and easily grown. Best adapted to partly moist and somewhat shaded places. For large blooms, rich soil is best. Seed sown in spring will blossom in midsummer. For early spring flowers, sow seed in August and protect plants in cold frames or with light litter but do not smother during winter. For Pansy Plants, see page 38.

310A—Westland Giants. (Pkt. 15c) (½ oz. 65c) (½ oz. \$2.25). Largest flowering strain of Pansy in existence, in beautiful color variation and of compact growth. The best strain for Market Growers.

311A—Maple Leaf Canadian Giants. (Pkt. 15c) (½ oz. 65c) (½ oz. \$2.25) Plants of this lovely variety are vigorous, low growing; leaves giant size and flowers up to 4 inches diameter.

Swiss Giants. (Pkt. 15c) (¼ oz. 85c) (1 oz. \$3.00). Outstanding for size of perfectly round flowers and full range of colors.

312A—Lake of Thun. Marine blue with dark blotch.

312B—Alpenglow. Cardinal shades.

312C—Blumiscap. Wine rose.

312D—White Lady. Pure white.

312E—Monch. Pure yellow.

312F—Mixed. All shades mixed.



**GILLER'S
SUPER GIANTS**

313A — Giller's Super Giants Mixed. (Pkt. 25c) (½ oz. \$1.00) (½ oz. \$4.00) (oz. \$6.00). Highly recommended for florists and those who make a specialty of growing plants and blooms for commercial trade.

Blooms are amazing in size as well as in the large range of colors.

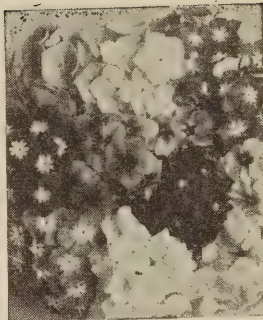
314A—Engelman's Giants. (Pkt. 15c) (½ oz. 50c) (½ oz. \$1.75). Very vigorous growing, compact and early flowering, produces huge flowers in a great variety of shades and colors with good percentage of red and bronze shades.

315A—Ice Pansy, Hiemalis. (Pkt. 10c) (¼ oz. 30c). Early giant flowers, withstands cold, continues to bloom well into the winter, all colors mixed.

316A—American Beauty Mixed. (Pkt. 10c) (¼ oz. 45c). An extra fine, well-balanced mixture of most beautiful colors and markings.

TUFTED PANSY, see Viola Cornuta, page 51.

PHLOX. (Drummond Annual). Being one of the prettiest annuals, phlox should occupy a prominent place in every garden. Of easy cultivation and remarkable for profusion of bloom, which starts early and continues until frost. The rich and numerous brilliant colors produce an elegant effect in beds or borders. Fine for cutting.



PHLOX GRANDIFLORA

351A—Giganta Art Shades. (Pkt. 10c) (¼ oz. 40c). A new strain in Phlox Drummond flowers, 1 to 1½ inches in diameter. Wonderful range of color in soft art shades.

352A—Star Phlox (Pkt. 10c) (¼ oz. 35c). Extra fine mixed. Grows 15 inches, bears star flowers of wide range of colors.

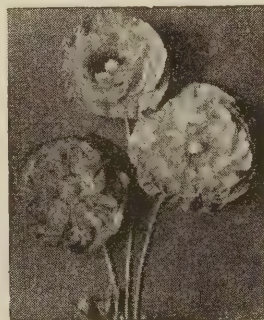
PINKS, GARDEN (Dianthus). This satisfactory old-fashioned flower blooms in profusion all summer long. They bear marvelous, brilliant, and contrasting flowers, which are emphasized by stripes and dots. Sow seed in open in April, will bloom in July until late fall.

355A—Chinensis Double (China Pink). (Pkt. 10c) (¼ oz. 30c). Produces profusion of handsome blooms in clusters on strong stems, flowers extra double of many colors and markings.

356A—Chinensis Single (Indian Pink). Pkt. 10c) (¼ oz. 25c). Flower heads have unbelievable range of colors.

357A—Laciniatus Double Mixed. (Pkt. 10c) (¼ oz. 35c). Fringed and lacinated carnation-like flowers in wide range of colors. Plants semi-dwarf and compact.

POPPIES (Shirley). This is a quick, easily grown flower; blooms few weeks from seed; sow early in open and later thin to 8 inches apart; will not transplant.



**POPPY
Double Shirley**

359A — American Legion. (Pkt. 10c) (¼ oz. 20c). Brilliant orange scarlet with yellow anthers.

360A—Single Shirley. (Pkt. 10c) (¼ oz. 20c). Beautiful satin flowers with crumpled petals on long stems. Large range of color.

361A—Begonia Double Flowered Mixed. (Pkt. 10c) (¼ oz. 25c). The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades.

POPPY, CALIFORNIA. Eschscholtzia, see page 41. Also see Perennial Poppies, page 55
Seed Treated for sturdy growth.

All Prices Postpaid

PORTULACA (Rose Moss). This little annual is unexcelled for brilliancy among the flowers of low growth. Grows and blooms best in the hot sunlight, sandy soil, carpeting the ground with a mat of foliage, which in the afternoon is hidden with gayest flowers. Sow seed in the open ground.

363A—Double Mixed Large Flowering. (Pkt. 15c) (¼ oz. 35c). 6 in.

364A—Single Mixed Large Glossy Cup Flowers. (Pkt. 10c) (¼ oz. 30c). 6 in.

PYRETHRUM.

366A—Aureum (Golden Feather). (Pkt. 10c) (½ oz. 25c). Beautiful dwarf gold-leaved plant, flowers white with gold centers. Fine for borders. Easily grown.



**SALPIGLOSSIS
Mixed**

large flowers of wide range of colors.

SALVIA (Scarlet Sage). A hardy annual blooming the first year from seed. Well-known bedding plants with long, striking flower spikes, displayed with striking effect against the deep, green foliage.

370A—Splendens Bright Scarlet. (Pkt. 10c) (¼ oz. 40c). Early flowering, popular sort. Plants 18 to 24 inches long, scarlet spikes.

371A—St. Johns Fire. (Pkt. 20c) (½ oz. 45c). The earliest Salvia. Plants oval, erect, dwarf, 12 inches, bears uniform long scarlet spikes.

372A—Fire Brand. (Pkt. 20c) (½ oz. 45c). Very early. Plants erect, compact, rounded, covered with brilliant scarlet spikes.

SCABIOSA. See Mourning Bride, page 46.

SCARLET RUNNER BEAN. Rapid ornamental climber with bright scarlet blooms. Excellent for porches and trellis. Also used as food.

373A—(Pkt. 10c) (¼ lb. 30c) (lb. 90c).

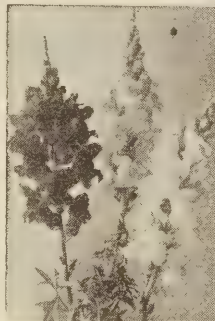
SCHIZANTHUS (Butterfly Flower). One of the daintiest annuals, of very graceful habit. The flowers are butterfly shape and of a bewildering range of colors, completely covering the plant. Sow early as weather will permit.

374A—Butterfly Mixed. (Pkt. 10c) (½ oz. 25c).

SNAPDRAGON (Antirrhinum). Very satisfactory, easily grown in full or partial shade. Either start seed indoors or sow in open when ground is warm.

386A—Tetra Snapdragons. See page 1.

Maximum (Giant Flowering). This variety produces the tallest spikes and largest flowers, is base branching and produces numerous spikes 2 to 2½ inches across. Excellent for bedding.



**SNAPDRAGON
Tetra**

376A—Snowflake. White.

377A—Rose King. Deep rose.

378A—Copper King. Golden orange.

379A—Canary Bird. Yellow.

380A—Purple King. Purple.

381A—Cerberus. Scarlet.

382A—Finest Mixed.

All above seed treated:
(Pkt. 10c) (¼ oz. 35c).

384A—Majus Nanum Semi-Dwarf Large Flowered. Finest Mixed. (Pkt. 10c) (¼ oz. 25c). Bushy, compact growth, 15 inches tall, very free bloomer, flowers large. Unusual colors and markings.

385A—Tom Thumb Snapdragon Mixed. (Pkt. 10c) (½ oz. 40c). Extremely dwarf mixture of beautiful shades and colors. For rock gardens and borders.

387A—SNOW-ON-THE-MOUNTAIN (Euphorbia). (Pkt. 10c) (¼ oz. 20c). Starts with bright green leaves and as the summer advances the edges become white.

STATICE (Sinuata). An easily grown everlasting annual. They prefer a sunny situation. Very satisfactory as cut flowers, also for winter bouquets after being dried.

388A — Market Growers' Blue. Deepest blue. Free flowering.

389A—Bonduelli. Yellow.

390A—Suworowi (Russian Rat Tail). Flowers spike-shaped, rich rose.

391A—Finest Mixed. Contains lavender, rose, blue, pink and white.

Prices on above Statice:
(Pkt. 10c) (½ oz. 25c).



**STATICE
Market Growers' Blue**

392A—Heavenly Blue (Everlasting). Finest of all Statice. Flowers bright, clear, sky blue of Clarke's Blue Morning Glory. Borne on long branches. Easily grown. (Pkt. 15c) (¼ oz. 25c).

393A—STOCKS SWEET SCENTED (Mattheola). 15 in., lilac flowers, which in the mornings, evenings and afternoons emit a delicious perfume. (Pkt. 10c) (¼ oz. 30c).

Seed Treated for sturdy growth.

All Prices Postpaid

SPENCER SWEET PEAS

CULTURE: Sweet Peas like rather cool soil and can be grown in partial shade. Ground should be worked to a depth of 1 ft. Mix with soil 1 lb. Soil-tone fertilizer to 5 ft. of row. Plant seed 1 oz. to 10 ft. in a trench 5 in. wide, 3 in. deep. Cover seed firmly with 1 in. pulverized soil. Plant any time from middle of

March to 20th of April. After plants are 3 in. high, cultivate, scatter a little more fertilizer alongside of plants and fill trench with soil. After vines are 1 ft. high, give first dusting of 2 parts sulphur, 1 part Vapatone, repeat in 10 to 20 days. Keep soil moist, flowers picked.

EARLY FLOWERING SPENCERS. Bear an abundance of large, waved flowers on long stems 2 to 3 weeks earlier than other varieties, a very satisfactory variety for June-July blooms.

BLUE

- 1E—Princess Blue. Light blue.
- 2E—Tahoe. Bright clear deep blue.
- 3E—Mariner. Clear mariner blue.

CERISE

- 4E—Cavalcade. Golden cerise. White ground.
- 5E—Sequoia. Pink cerise.

CRIMSON

- 7E—Top Sergeant. Rich crimson.
- 8E—American Beauty. Color American Beauty rose.

LAVENDER

- 9E—Rhapsody. Rosy lavender. Large flowers.
- 10E—Fragrance. Large clear lavender.

ORANGE

- 11E—Fiesta. Glowing orange cerise.
- 12E—Treasure Island. Golden orange.

PINK AND ROSE

- 13E—Bridesmaid. Silvery pink.
- 14E—Sweet Briar. Rose pink.
- 15E—Laddie Improved Rose. Large bright rose.
- 16E—Mrs. H. S. Reddick. Brilliant flesh pink.

WHITE

- 17E—Hope. White.

Straight Colors: (Pkt. 10c) (½ oz. 20c) (oz. 30c) (¼ lb. \$1.10) (lb., \$3.75) postpaid.

Mixed Early Flowering Spencers: (Pkt. 10c) (½ oz. 15c) (oz. 20c) (¼ lb. 70c) (1 lb. \$2.10) postpaid.



CUTHBERTSON SPENCER
SWEET PEAS

CUTHBERTSON SPENCERS. A new true Spencer type of great vigor, continue to produce during hot mid-summer weather a profusion of large fragrant blossoms on extra long stems. Colors bright and clear. Especially adapted to mountain states.

- 50C—Connie. Chamois.
- 51C—Carol. Pink, white ground.
- 52C—Lois. Rose pink, white ground.
- 53C—Frances. Salmon pink, white ground.
- 54C—Catherine. Cerise, white ground.
- 55C—David. Bright rose crimson.
- 56C—Kenneth. Rich oxblood crimson.
- 57C—Flora. Rose carmine.
- 58C—Jimmy. Bright scarlet.
- 59C—Liza. Maroon.
- 60C—Hazel. Light blue.
- 61C—Danny. Navy blue.
- 62C—Frank G. Rosy lavender.
- 63C—Janet. Black seeded white.

Cuthbertson Straight Colors.

(Pkt. 10c) (oz. 25c) (¼ lb. 80c) (1 lb. \$2.75) postpaid.

Cuthbertson Mixed.

(Pkt. 10c) (oz. 20c) (¼ lb. 70c) (1 lb. \$2.30) postpaid.

GIANT RUFFLED SPENCERS. Is the vigorous growing standard variety. Will start blooming in early July.

- 30L—Capri. Light blue.
- 31L—Flagship. Deep navy blue.
- 32L—Carlotta. Carmine rose.
- 33L—Grand Slam. Rich cerise.
- 34L—Elstree. Soft pink.

- 35L—Red Rover. Rich deep crimson.

- 36L—King Lavender. Pure lavender.
- 38L—Bonnie Brier. Rose pink.
- 39L—Patricia. Rich golden salmon.
- 40L—Welcome. True scarlet.
- 41L—Snow White. White.
- 42L—Loch Lomond. Red maroon.
- 43L—Tangerine (Improved). Glowing orange.
- 44L—Youth. White-pink picotee.

Straight Colors, Late Flowering

(Pkt. 10c) (oz. 20c) (¼ lb. 70c) (lb. \$2.45).

Mixed Colors, Late Flowering. A well balanced array of color and beauty.

(½ oz. 10c) (oz. 15c) (¼ lb. 50c) (lb. \$1.80) postpaid.



GIANT RUFFLED
SWEET PEAS

All Prices Postpaid

STOCKS TEN WEEKS. Desirable for cut flowers and bedding. To secure early flowers, start seed in window boxes or under glass in March or April, and transplant to the open ground in the middle of May. Do best in rich soil and in cool locations. Stocks never run entirely double.

394A—Early Giant Imperial or Bismarck. (Pkt. 10c) (1/8 oz. 25c). Exquisite, well-rounded, large fully double blooms on long stems. Valuable for garden and greenhouse forcing. 2 to 2 1/2 ft. tall.

395A—Dresden or Giant Perfection. (Pkt. 10c) (1/4 oz. 35c). Large spikes of frequent double flowers in wide range of color, 1 to 1 1/2 feet. Fine for florists. Biennial in mild climate.

396A—Ten Weeks Dwarf German. (Pkt. 10c) (1/4 oz. 30c). Double and Single Mixed. A choice strain containing a high per cent of doubles.

SUNFLOWER. Thrive in any sunny location.

397A—Sun Gold. (Pkt. 10c) (1/2 oz. 35c). Fully double, golden yellow, Chrysanthemum-like flowers, 4 inches across; plants 4 feet.

SWEET SULTAN (Giant Imperialis Centaurea). Very satisfactory for garden decoration and cutting. They bloom freely for many weeks during the summer in partly shaded places. The large, long stemmed, sweet-scented flowers are exquisitely fringed and most graceful in appearance. Three feet.

400A—Purple.

401A—Suaveolens. Yellow.

402A—Brilliant. Rose.

403A—Lavender.

404A—Amaranth Red.

405A—Mixed.

Any of above: (Pkt. 10c) (1/4 oz. 20c) (oz. 50c).



**ANNUAL
SWEET WILLIAM**

SWEET WILLIAM. Annual variety, producing large heads of beautifully-colored, sweet-scented flowers in abundance. Hardy, easily grown, flowering the first year from seed; 1 1/2 feet high.

409A—Finest Annual Mixed. (Pkt. 10c) (1/4 oz. 25c).

Other Sweet William, see page 55.

TITHONIA (Flower of the Incas).

410A—Torch. (Pkt. 25c). A new 1951 All America, early, 2 1/2 feet tall, blooms from August till frost. Orange red, single dahlia-like flowers charming for cutting.

THUNBERGIA (Black-Eyed Susan Vine). (Pkt. 15c) (1/4 oz. 45c) (1/2 oz. 75c).

411A—Alata Mixed. An unusually pretty little climber or may be used as a trailing plant for ground cover, hanging baskets and window-boxes. Forms a dense mat of foliage and flowers. Colors range through yellow, orange and buff to pure white; many of the flowers have jet-black showy centers or eyes. Vines grow 5 ft. long.

VERBENA HYBRID. Colorful dwarf plants, ideal for edgings, ground cover, rockeries, porch boxes and cutting. The flowers are borne in large trusses from midsummer until late fall. Plant in a sunny location.

Verbena Dwarf Compacta. Plants grow 6 to 7 inches tall, 10 inches across. Excellent for bedding, edging, and rock gardens.

413A—Dwarf Compact. Mixed. (Pkt. 10c) (1/4 oz. 30c).

Verbena Mammoth. Extra large flowers.

414A — Snowball. Giant white.

415A—Dark Blue. With white eye.

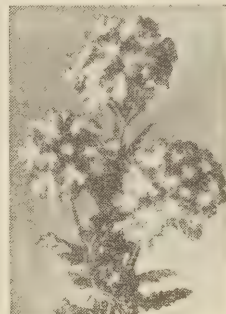
416A—Beauty of Oxfords. Pink and rose shades.

417A—Doneborg. Scarlet, white eye.

418A—Spectrum Red. Intense red without eye.

419A—Mixed.

Any of above: (Pkt. 10c) (1/4 oz. 35c).



VERBENA

VERBENA VENOSA. (Pkt. 20c) (1/4 oz. 40c). Upright spreading plant 1 foot tall, covered with large panicles of purplish blue flowers from July to frost, largely used for bedding.

VIOLA CORNUTA or TUFTED PANSIES. Flowers smaller than pansies and more persistent. Easily grown, bloom all summer if faded blossoms are picked. Bloom first year from seed but with some protection over winter will bloom second year.

420A—Lord Nelson. (Pkt. 10c) (1/4 oz. 45c). Large flowered. Violet purple.

421A—Blue Perfection. (Pkt. 10c) (1/8 oz. 35c). Large flowered blue.

422A—Chantreyland. (Pkt. 15c) (1/8 oz. 40c). Pure apricot.

423A—Yellow Gem. (Pkt. 10c) (1/8 oz. 40c). Pure yellow, compact.

424A—Jersey Gem or Blue Gem. (Pkt. 20c) (1/8 oz. 60c). Flowers rich, pure violet; compact.

425A—Arkwright. (Pkt. 15c) (1/8 oz. 60c). Rich crimson with dark eye.

426A—Gold Seal Mixture. (Pkt. 10c) (1/8 oz. 35c). A fine mixture of 14 different colors and sorts.

WALLFLOWER (Annual).

428A—Double Early Wonder. (Pkt. 15c) (1/8 oz. 30c). Flowers very fragrant of rich reds and yellows. Plants 18 inches. Sow seed early spring indoors, set out 18 inches apart. In mild climate or when well protected will bloom 2 years.

XERANTHEMUM. A popular flower of the everlasting class, blooming freely in common soil. Plant is of very compact habit.

430A—Double Mixed. (Pkt. 10c) (1/2 oz. 20c).

All Prices Postpaid

Zinnias - Many Sizes and Types

All Prices Postpaid

ZINNIAS (Youth and Old Age). Few flowers are so easily grown; they require but little attention. They are heat-loving plants. Seed should not be sown until ground and atmosphere are warm to get most completely double flowers. Grow in a rich soil in a sunny spot. Water freely. They bloom abundantly and continuously throughout the entire season.

DAHLIA FLOWERED ZINNIA. Plants grow 2 to 3 feet tall, strong, robust, bearing many large fully double flowers, often measuring 6 inches in diameter, with petals closely imbricated, resembling Show Dahlias.

434A—Canary Bird. Rich canary yellow.

435A—Crimson Monarch. Deep crimson, flowers very large.

436A—Dream. Deep rosy lavender.

437A — Exquisite.
Light rose, deep rose center.

438A—Golden Dawn.
Golden yellow.

439A—Golden State.
Orange.

440A — Illumination.
Deep rose self.

441A—Oriole. Orange and bicolor.

442A — Polar Bear.
Large creamy white.

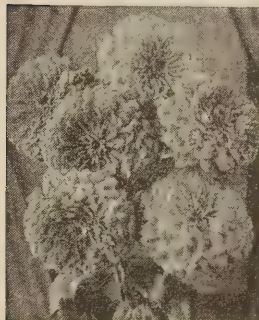
443A—Purple Prince.
Deep purple.

444A—Scarlet Flame. Bright scarlet.
Straight colors: (Pkt. 10c) (¼ oz. 25c) (oz. 70c).

445A—Finest Mixed. (Pkt. 10c) (¼ oz. 20c) (oz. 50c).

Any 7 Pkts. (55c) (¼ oz. each \$1.25).

GIANTS OF CALIFORNIA ZINNIA. Plants grow 3 to 4 feet tall, flowers very large, 5 to 6 inches across. The petals are more loosely placed than in the Dahlia Flowered type of zinnia and the flowers themselves are more flattened. Ideal for cutting.



ZINNIA
California Giants

448A — Crimson Queen.
Rich crimson.

449A—Brightness. Bright pink.

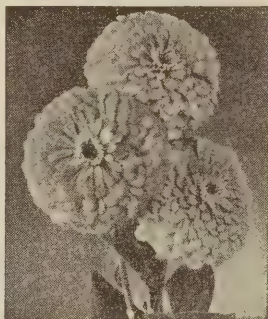
450A — Golden Queen.
Golden yellow.

451A—Lavender Queen.
Deep rosy lavender.

452A — Violet Queen.
Deep purple.

453A — Purity. White, best white in zinnias.

454A—Grenadier. Bright dark red.



ZINNIA
Illumination

457A—Miss Willmott. Soft rose pink.

Straight colors: (Pkt. 10c) (¼ oz. 25c) (oz. 70c).

458A—Finest Mixed. (Pkt. 10c) (¼ oz. 20c) (oz. 50c).

Any 7 above Pkts. (55c) (¼ oz. each \$1.25).

BURPEE'S HYBRID. Immense, fluffy flowers in a gorgeous range of colors and color combinations with graceful, curved petals like those of a Giant Chrysanthemum. Entirely free of stiffness. (Pkt. 20c) (½ oz. 65c) (¼ oz. \$1.35).

459A—(Pkt. 15c) (½ oz. 25c) (½ oz. 75c).

FANTASY. Flowers with bright shades of red, orange, pink and cream; 3 to 3½ inches across, petals are narrow tubular and beautifully twisted, giving them a shaggy, graceful appearance.

460A—Mixed. (Pkt. 10c) (¼ oz. 20c) (oz. 50c).

PEPPERMINT STICK. Unlike any other Zinnia, an early variety, flowers medium size, which are 70% uniquely striped in wide range of colors; produced in profusion until frost.

461A—Mixed. (Large pkt. 20c) (½ oz. 40c).

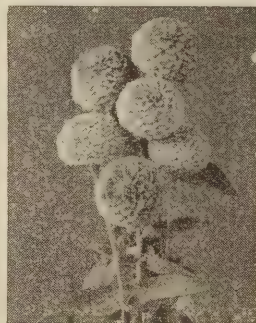
CUPID ZINNIA. Plants only 12 to 15 inches tall, flowers very small, double button-like flowers.

462A—(Pkt. 10c) (¼ oz. 25c) (oz. 50c).

LILLIPUT or POMPON
DOUBLE ZINNIA.

These compact little plants are fairly covered with tiny, very double flowers about 1¼ inches in diameter, which bloom all summer until late in the fall and come in a pleasing range of color.

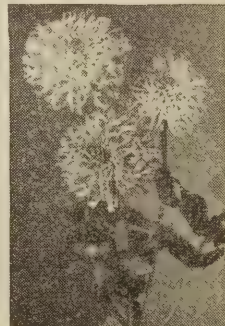
463A—Mixed. (Pkt. 10c) (¼ oz. 25c) (oz. 50c).



ZINNIA
Lilliput or Pompon



ZINNIA
Dahlia Flowered Mixed



ZINNIA
Fantasy

Perennial and Biennial Flower Seed



ANCHUSA, Dropmore
Pkt. 10c



AQUILEGIA (Columbine)
Mrs. Scott Elliott's Hybrids
Pkt. 15c



CAMPANULA
(Cup-and-Saucer)
Pkt. 10c

These produce plants which live from year to year and increase or multiply. A few exceptions are the biennials as *Myosotis*, *Bellis*, *Campanula*, *Foxglove*, which bloom second year and then die.

CULTURE. The seed is generally started outdoors from June to September, and the young plants are either set in their permanent places in the fall and given light protection the first season, or carried over the first winter in a cold frame and set out the following spring.

1B—ACHILLEA (The Pearl). (Pkt. 15c) (1/8 oz. 40c) (1/2 oz. \$1.50)
2 feet. Clusters of hundreds of small, double, white Chrysanthemum like flowers from June to frost.

2B—ALYSSUM, Saxatile Compactum. (Pkt. 10c) (1/4 oz. 30c) (1 oz. \$1.00)
Clusters of golden yellow. Plants spreading habit; silver gray foliage. Height 10 inches.

4B—ANCHUSA ITALICA, Dropmore. (Pkt. 10c) (1/4 oz. 20c) (1 oz. 60c)
Tall spikes of rich gentian-blue blooms from June to September, on 4 to 5-foot stately plants.

5B—ANCHUSA, Myosotidiflora. (Pkt. 20c) (1/8 oz. 50c) (1 oz. \$3.50)
Sprays of clear blue Forget-me-not flowers on large round-leaved plants. Height 12 inches.
For annual varieties see page 39.

7B—ANTHEMIS TINCTORIA PERRY VARIETY. (Pkt. 10c) (1/4 oz. 25c) (1 oz. 75c)
A profusion of deep yellow daisy flowers; excellent for cutting throughout summer; 2 foot plant, elegant foliage; will bloom first year if the seed is started indoors early.

8B—AQUILEGIA (COLUMBINE), Rocky Mountain. (Pkt. 10c) (1/8 oz. 25c)
Very beautiful perennial, native of Colorado. Color ranges from light to dark blue, cream centers.

9B—AQUILEGIA (COLUMBINE), Mrs. Scott Elliott's Hybrids. (Pkt. 15c) (1/8 oz. 40c) (1 oz. \$2.75)
A mixture of delightful shades including many soft pastel tones. Large flowers with broad guard petals and very long spurs are gracefully poised on long stems, on 3-foot plants.

10B—AQUILEGIA (COLUMBINE), Double Finest Mixed. (Pkt. 10c) (1/4 oz. 25c) (1 oz. 70c)
An extra selection of all finest long and new spurred varieties.

11B—AQUILEGIA (COLUMBINE), Single Mixed. (Pkt. 10c) (1/4 oz. 20c) (1 oz. 45c)
Beautiful combination of all single varieties of blue, red, pink, yellow, etc.

14B—AUBRIETIA, Bougainvillei. (Pkt. 15c) (1/8 oz. 40c) (1 oz. \$2.50)
Dwarf creeping plant for carpeting beds or rock gardens. Beautiful delicate deep blue flowers.

BELLIS (ENGLISH DAISY).
Bright, colorful double flowers, popular for spring bedding plants. They succeed best in a medium moist soil, fail in dry soils and hot positions. Set plants 4 to 6 in. apart and protect lightly over winter.

16B—BELLIS (ENGLISH DAISY), Etna. (Pkt. 15c) (1/8 oz. 40c) (1 oz. \$2.40)
Has dark wine red quilled petals surrounding a golden yellow center.

17B—BELLIS (ENGLISH DAISY), Super Giants, Enorma. (Pkt. 15c) (1/8 oz. 50c) (1 oz. \$2.60)
Special selection of English Daisies. Large, beautiful flowers, 2 inches across, extra double; plants compact, 6 inches high. In straight colors of red, pink, white or mixed.

20B—CAMPANULA (CUP AND SAUCER). Medium Calycanthema Mixed. (Pkt. 10c) (1/4 oz. 40c) (1 oz. 90c)
Biennial, erect-growing 2 1/2-foot plants, covered with large cup-and saucer flowers.

21B—CAMPANULA (CANTERBURY BELLS). Deans Double and Single Mixed. (Pkt. 10c) (1/4 oz. 25c) (1 oz. 75c)
A very showy biennial with branching 2 1/2 foot plants bearing spikes of bell-shaped blossoms in variable coloring. For other varieties see Annual list.

22B—CANDYTUFT, Sempervirens. (Pkt. 15c) (1/8 oz. 40c) (1 oz. \$1.50)
The beautiful, pure white flower-heads form a sheet of bloom completely covering the dark green foliage. Excellent for edging and for rock-gardens. Height 10 inches. For annual varieties see page 41.

Perennial and Biennial Flower Seed

23B—CARNATION GRENADIN.

(Pkt. 15c) (1/8 oz. 35c)

Exceedingly strong mixture of double flowers, biennial.

24B—CARNATION—TEICHER'S DOUBLE BORDER MIXED.

(Pkt. 15c) (1/8 oz. 40c)

Plants very hardy, extra large double flowers, fine range of colors, large stems.

Also see Annual Carnation, page 42.

25B—CENTAUREA (BLUE MONTANA), Hardy Cornflower.

(Pkt. 10c) (1/4 oz. 25c) (1 oz. 65c)

Lovely, clear, deep blue resembling annual Bachelor Button but larger. 2 feet. Annual list page 40.

26B—COREOPSIS, Grandiflora Lanceolata. 2 feet.

(Pkt. 10c) (1/2 oz. 15c) (1 oz. 30c)

Large single golden yellow flowers, with lanceolated petals splendid for cutting.

27B—COREOPSIS SUNBURST DOUBLE. 2 feet.

(Pkt. 10c) (1/4 oz. 30c)

Early large golden yellow, double and semi-double flowers, on long stiff stems, fine for cutting.

28B—DAISY SHASTA (CHRYSANTHEMUM), Hybridum.

(Pkt. 10c) (1/4 oz. 30c) (1 oz. 60c)

Extra large pure white flowers on long stiff stems. The best Shasta Daisy.

DAISY ENGLISH. See Bellis.

29B—DELPHINIUM, Belladonna Hybrids.

(Pkt. 10c) (1/8 oz. 30c) (1 oz. \$1.50)

Very free flowering. This extra-select strain comes in clear turquoise and other delightful shades of light and dark blue, on 4-foot plants.

30B—DELPHINIUM, Bellamosum Improved.

(Pkt. 10c) (1/8 oz. 30c) (1 oz. \$1.50)

Uniform in color with spikes 2 1/2 inches across. Each dark blue floret has a white bee. Grows to 3 1/2 ft.

31B—DELPHINIUM DOUBLE HYBRID MIXED. Very large flowers.

(Pkt. 10c) (1/8 oz. 25c) (1 oz. \$1.40)

32B—DELPHINIUM, Pacific Giants. Blue, lavender, violet shades mixed.

(Pkt. 20c) (1/8 oz. 45c) (1 oz. \$2.75)

A remarkable strain; flowers extremely large, borne on long spikes; plants 5 feet tall.

34B—DIGITALIS (FOXGLOVE), Shirley.

(Pkt. 10c) (1/4 oz. 25c) (1 oz. 80c)

Extra large bell-shaped flowers; wide range of beautiful colors from white and shell-pink to deepest rose, many delightfully blotched or spotted with crimson and maroon. Grow about 6 ft. tall with flowering spikes often 3 ft. in length. These are biennials. So for continuous display sow every year.

DIANTHUS—HARDY CLOVE PINKS.

Brilliant colored flowers, bloom all summer, fine for beds and borders. Annual Pinks page 48.

35B—PLUMARIUS SINGLE MIXED.

(Pkt. 10c) (1/4 oz. 20c) (1 oz. 45c).

Large fringe-edged flowers, many colors.

36B—PLUMARIUS DWARF DOUBLE FLOWERED MIXED.

(Pkt. 10c) (1/4 oz. 40c) (oz. \$1.40)

Excellent 12 inch plants covered with fragrant double blooms, wiry stems.

EVERLASTING SWEET PEAS. See Lathyrus.

FORGET-ME-NOT. See Annuals page 43.

FOXGLOVE. See Digitalis.

37B—GAILLARDIA (BLANKET FLOWER), Grandiflora. Mixed.

(Pkt. 10c) (1/4 oz. 20c) (1 oz. 55c)

Bloom from June till frost. Flowers scarlet and orange. While this is a hardy perennial, will bloom the first year from early planting. Height about 1 1/2 feet.

38B—GAILLARDIA, Portola Hybrids. 2 feet.

(Pkt. 10c) (1/4 oz. 30c) (1 oz. 70c)

Large flowers, often 4 in. across, of bronze-red scarlet intensified by golden yellow petal tips.

40B—GYPSOPHILA, (BABY BREATH), Paniculata Single.

(Pkt. 10c) (1/4 oz. 20c) (1 oz. 50c)

Tiny white single flowers on strong thread-like stems. Plants 3 feet, large, bushy. Annual varieties page 40.

41B—GYPSOPHILA, (BABY BREATH), Paniculata Double.

(Pkt. 20c) (1/8 oz. 50c) (1 oz. \$2.00)

Forms 2 1/2 ft. sphere-shaped bush plant; feathery pinnacles bearing starry, double, white flowers.

42B—GUEM.

(Pkt. 15c) (1/8 oz. 50c)

2 feet. Graceful, attractive flowers, June to September, for cutting and borders, on long stems.

Lady Stratheden, golden yellow; Mrs. Bradshaw, orange red.



COREOPSIS
Sunburst Double
Pkt. 10c



SHASTA DAISY
Pkt. 10c



DIGITALIS
(Foxglove) Shirley
Pkt. 10c



DELPHINIUM
Pacific Giants
Pkt. 20c

Perennial and Biennial Flower Seed



POPPY, Iceland
Pkt. 10c

HOLLYHOCK. Are most striking when seen in groups or long rows against evergreen hedges, shrubbery, etc., and in their turn, form a very fine background for plants of lower growth. Seed sown in late spring or early summer will bloom profusely the next year.

43B—HOLLYHOCK (Chater's Extra Double Mixed). (Pkt. 10c) (1/8 oz. 20c) (1 oz. \$1.60)

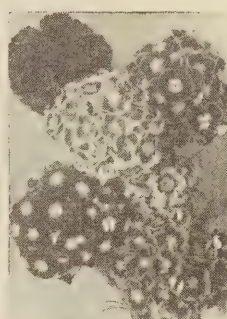
Tall spikes 7 feet high. Closely set with double showy flowers of beautiful colors.

44B—HOLLYHOCK, Single Mixed.

(Pkt. 10c) (1/8 oz. 20c) (1 oz. \$1.40)

44C—HONESTY (Peter's Penny). (Pkt. 10c) (1/4 oz. 40c)

Grown for the silver, paper-like, flattened, rounded seed pods, which, when dried, make very attractive winter decorations. Purple flowers.



SWEET WILLIAM
(Single)
Pkt. 10c

45B—LINARIA (KENILWORTH IVY) Cymbalaria.

(Pkt. 15c) (1/8 oz. 40c)

Small, lilac-blue flowers on trailing stems. For ground covering, prefers moist soil, shady location.

46B—LATHYRUS (EVERLASTING PEA), Latifolius.

(Pkt. 15c) (1/4 oz. 30c) (1 oz. \$1.00)

Trailing plant suitable for arches, trellises or rough banks, bearing numerous large racemes of 8 to 10 pink, red and white pealike flowers.

47B—LINUM PERENNE (BLUE FLAX)

(Pkt. 10c) (1/4 oz. 15c) (1 oz. 40c)

2 feet. Has dainty sky-blue flowers on graceful, arching stems. Blooms produced continuously in profusion. For other varieties see Annual list.

48B—LUPINES, RUSSELL'S (Special Mixed).

(Pkt. 10c) (1/4 oz. 20c) (1 oz. 50c)

Beautiful stately perennials with bold symmetrical, 3-ft. spikes of pea-shaped flowers, closely set from top to bottom. They like a warm, sheltered position. For annual varieties see page 45.

PINKS. See Dianthus.

53B—PENTSTEMON. Sensation.

(Pkt. 15c) (1/8 oz. 35c) (oz. \$2.00)

Long flowered spikes, brilliant and varied colors. If started indoors in March will bloom freely first year. In northern states needs winter protection.

55B—POPPY, ICELAND (NUDICALE), Choicest mixed.

(Pkt. 10c) (1/4 oz. 45c) (1 oz. \$1.60)

Cool moist soil best. An array of brilliant single color flowers on 1 1/2 foot free blooming plants.

56B—POPPY, Oriental Brilliant.

(Pkt. 10c) (1/8 oz. 30c) (1 oz. \$2.00)

Large fiery red flowers. Plants 30 in. tall.

57B—POPPY, Oriental Mixed.

(Pkt. 15c) (1/8 oz. 40c) (1 oz. \$2.60)

Enormous, brilliant, produces flowers from salmon pink to dark crimson. Often 5 to 6 inches across.

58B—PYRETHRUM HYBRIDUM (PAINTED DAISY). Large Flower Single. (Pkt. 10c) (1/4 oz. 35c) (1 oz. \$1.15)

Easily grown from seed. Bloom in June. If plants are cut back will bloom later in season. Wonderful for cut flowers. Fernlike foliated plants are beautiful even when not in bloom. Florists Strain.

59B—PYRETHRUM. Superior Extra Double Mixed.

(Pkt. 15c) (1/8 oz. 50c) (oz. \$3.50)

Prize mixture of all colors, extra double mixed.

60B—STRAWBERRIES ALPINE NEW BARON SOLEMACHER.

(Pkt. 20c) (2 pkts. 35c) (1/8 oz. \$1.25)

A new everbearing strain producing an abundance of dark red elongated berries of unusual flavor half as large as commercial varieties. Easily picked. Plants bush form produced from seed only, makes no runners. Very effective in borders or beds. Also see plants on page 78.

61B—SCABIOUS. Houses Giant Hybrids Mixed.

(Pkt. 15c) (1/8 oz. 60c)

Deepest marine blue to palest lavender and creamy white on 1 1/2 to 2 ft. plants.

62B—STATICE (Sea Lavender).

(Pkt. 10c) (1/8 oz. 40c)

Caspia. 2 1/2 ft., small lilac flowers on much branched stems.

Latifolia. 1 1/2 ft., large spreading pinnacles of tiny blue-purple flowers.

64B—SWEET WILLIAMS, Double Mixed.

(Pkt. 10c) (1/4 oz. 20c) (1 oz. 50c)

Easily grown, blooms early, produces showy full flower heads composed of numerous individual double blooms. For best results treat as a biennial but will usually reseed itself.

65B—SWEET WILLIAMS, Dwarf Double Mixed.

(Pkt. 10c) (1/4 oz. 30c) (1 oz. 95c)

Many colors and markings will be found in this mixture. Plants 8 to 10 inches.

66B—SWEET WILLIAMS, Single Mixed.

(Pkt. 10c) (1/4 oz. 15c) (1 oz. 35c)

Many colors and markings will be found in this mixture.

67B—VIOLET ODORATA, The Czar.

(Pkt. 20c) (1/4 oz. 75c)

Double. The true dark purple, sweet scented violet. Plants very hardy. Thrives best in shady place.

70B—WALLFLOWER, Fine Double Mixed. (Biennial).

(Pkt. 15c) (1/8 oz. 50c)

Long spikes of sweet scented double flowers. In northern states needs some winter protection. Also Annual Wallflowers page 51.

WALLFLOWER SIBERIAN (Cheiranthus).

(Pkt. 10c) (1/4 oz. 25c) (oz. 75c)

Esteemed for delicious fragrance, blooms profusely May and June.

All Prices Postpaid

NURSERY STOCK

All of our nursery stock has been STATE INSPECTED for diseases

We have an excellent stock of carefully grown Fruit and Shade Trees, Roses, Shrubbery, Plants, Roots, etc., priced to attract the frugal buyer. However, it is the QUALITY to which we wish to call your particular attention. Our stock is all First Grade or Number One, and includes the varieties which are most popular and do well in our western climate. We therefore feel confident that your requirements will be taken care of to your entire satisfaction. LOW GRADE Nursery Stock is a Poor Investment.

CONDITION OF SALE

Claims for any cause must be made promptly on receipt of stock. We will not allow any claims after goods have been accepted, or if report is not received by us within 10 days after arrival of goods. If however, within 30 days after planting, the stock fails to leaf out and start growing, we will replace for one-half the catalog price, plus postage.

NURSERY STOCK WILL NOT BE SENT C. O. D.

PERENNIAL PLANTS

ACHILLEA (Milfoil).

Parmica (The Pearl). Double white blooms all summer. Fine for cut flowers. Height 1 to 2 feet.

(Each 32c) (3 for 89c).

Add postage and packing: (Each 8c) (3 for 17c).

ANCHUSA MYOSOTIDIFLORA (RG). Clusters of delicate blue flowers like the Forget-Me-Not. Does well in shady places. Height 10 to 12 inches.

(Each 32c) (3 for 89c).

Add postage and packing: (Each 8c) (3 for 17c).

BLEEDING HEART.

Dielytra Exima (RG). A low growing plant, blooming throughout the summer with bright pink flowers. Should be planted in shady or partially shady location. Height 8 to 12 inches.

(Each 69c) (3 for \$1.90).

Add postage and packing: (Each 8c) (3 for 17c).

Dielytra Spectabilis. (Old fashion Bleeding Heart).

A hardy perennial plant with finely cut foliage.

Graceful, heart-shaped, pink and white flowers, early in the spring. 3 to 5 eyes.

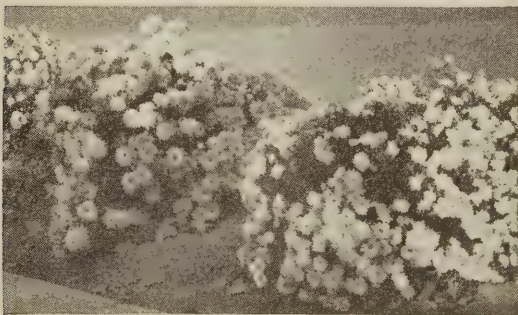
(Each 93c) (3 for \$2.59)

Add postage and packing: (Each 8c) (3 for 17c).

CARNATION. Hardy. Colors, red, pink, white and yellow.

(Each 32c) (3 for 89c).

Add postage and packing: (Each 8c) (3 for 17c).



CUSHION CHRYSANTHEMUM

CHRYSANTHEMUMS. The various varieties of chrysanthemums are unexcelled for use in the flower garden. The large number of types and colors are hardy in our western climates and can be grown easily and rapidly, flowering the first year from plants. By selecting different varieties, flowers may be had from early August until freezing weather.

CHRYSANTHEMUM MAXIMUM (Shasta Daisy).

Alaska Daisy. One of the best Shasta Daisy.

Hardy and a good grower.

(Each 32c) (3 for 89c).

Double Shasta.

(50c each).

Esther Read. New crested, everblooming type.

(40c each).

Add postage and packing: (Each 8c) (3 for 17c).

CUSHION CHRYSANTHEMUM. Low growing Mums forming a mound of colorful blooms resembling the old-fashioned Azalea. Plants grow 10 to 12 inches high. Start blooming early and continue until frost. Very hardy and easily grown. One plant will produce hundreds of blossoms. Following named varieties:

Bronze Cushion. Rich red bronze, turning to bronzy yellow.

King Cushion. Good red, multitude of 2 to 2½ in. blooms.

Pink Cushion. Opens a deep orchid pink, later salmon pink.

Queen Cushion. Snow white flowers with faint yellow center.

Yellow Cushion. Brilliant golden yellow, dense growth, large clumps covered with blooms.

(Each 32c) (5 for \$1.49).

Add postage and packing: (Each 8c) (5 for 19c).

PERENNIAL PLANTS

GARDEN CHRYSANTHEMUMS. We list a variety of Mums that we feel are perfectly hardy and desirable in any flower garden. By careful selection you may have blooms from July until killing frosts. Good field grown divisions.

Key to Symbols: L—Large; D—Decorative; B—Button; P—Pompon. Height: M—Medium; S—Short; T—Tall.

Avalanche. (L-D-M). (Dreer). The world's best large, creamy white. Everyone's favorite. Excellent for cutting. Sept. 4.

Caliph. Oxblood red. Blooms September to frost.

Charls Nye (L-P-T). Fully double, rich buttercup yellow; one of the best; blooms about Sept. 24.

Chippewa. (L-D-M). Mallow purple. Long stems, 4 in. flowers, sturdy plants to 24 in. tall. Blooms Sept. 10th to hard killing frosts.

Early Bronze. (B). Early blooming pompon or button Mum. Starts blooming in August and at its best in September. Fine garden variety and for cut flowers. 18 to 24 inches tall.

Ember (D-M). Bronze with orange shadings. Decorative type. Blooms October 1st.

Glowing Coals. (D). A new large red which blooms early on long stems.

Harbinger. (D-M). Decorative. Bronze, blooming the middle of September.

Indian Summer. Very good rust color. Fine for cut flowers.

King Midas. (L-D-M). One of the best yellow Korean Hybrids. Starts flowering in August and at its best in September. Flowers about 4 inches across, full double, with a touch of bronze. Branchy growth and very hardy. 2½ to 3 ft.

Lavender Lady. (D-T). Beautiful shade of lavender.

Mrs. J. Findley. Bright yellow blooms. Large. Sept. 5, New English variety.

Mrs. Pierce Dupont. (L-D-T). Hardy plants to 2½ feet tall. Large flowers to 4 inches of a peach to bronze color, in early October to heavy frosts.

Pohatcong. Double pink blooms in September. Hardy and bushy growth. About 3 ft. tall.

Red Velvet. (L-D). Fine velvety crimson decorative type blooming about the 1st of October.

Romany. Reddish bronze. Good cut flower.

Thorpe. (D). Vivid rose. Oct. 10.

Youdath's Vivid. Delf lavender. Decorative about October 5th.

Garden Chrysanthemums. All Varieties.

(Each 50c) (3 for \$1.40).

Add postage and packing: (Each 8c) (3 for 19c).

CLEMATIS, RECTA GRANDIFLORA. Small white flowers June and July. Fine for cut flowers. Grows to 2 feet tall.

(Each 49c) (3 for \$1.30).

Add postage and packing: (Each 8c) (3 for 19c).

COLUMBINE (Aquilegia). One of the first perennials to bloom in the spring. Unsurpassed as a cut

flower, as they bloom over a long season and on long stems. Thrives best in a sandy loam soil, either rock garden or perennial flower bed. Prefers partial shade. Height 2 feet.

Coerula. The native Rocky Mountain variety, must be planted in a shady place; long spurred, blue. 2-year plants.

Crimson Star. A new columbine, striking crimson with white corolla. Good border or cut flower. Either variety.

(Each 45c) (3 for \$1.25).

Add postage and packing: (Each 8c) (3 for 19c).

COREOPSIS GRANDIFLORA (Double Sunburst). Bright, golden yellow, double flowers, from June through the season. Valuable for cut flowers. Very hardy.

(Each 32c) (3 for 89c).

Add postage and packing: (Each 8c) (3 for 17c).

DELPHINIUM, Hardy Larkspur. The dominant flower in the perennial flower garden. Will grow in most soils, but you will feel well repaid by planting them in deep, rich soil.

Belladonna. Turquoise blue.

Bellamosa. Large deep blue florets.

Either of above: (Each 30c) (3 for 85c).

Add postage and packing: (Each 8c) (3 for 19c).

Pacific Hybrids. A new delphinium, judged as one of the best. Long tapering spikes with huge florets in gorgeous shades. Grows 5 to 7 ft. tall, very hardy and easy to grow. Mildew resistant. Mixed colors only of pure white, pink, lavender, blue and dark blue.

(Each 49c) (3 for \$1.35).

Add postage and packing: (Each 8c) (3 for 17c).

Pacific Hybrids. Large clumps, your choice of the following colors: deep blue, white, lavender, pink and dark purple.

(Each 79c) (3 for \$2.10).

Add postage and packing: (Each 17c) (3 for 27c).

DIANTHUS (Pink Plumarius). Blooms all summer. Clove pinks in mixed colors, with a delightful fragrance. Height about 10 to 12 inches.

(Each 29c) (3 for 79c).

Add postage and packing: (Each 8c) (3 for 19c).

Gypsophila (Baby's Breath).

Bristol Fairy. A beautiful double white flowered variety. When in full bloom it forms a symmetrical mass 2 to 3 feet in height of pure white flowers. Cannot be excelled for cutting purposes, especially in combination with highly colored flowers. Can also be cut and dried and used in bouquets long after other outdoor flowers are past.

(Each 89c) (3 for \$2.49).

Add postage and packing: (Each 8c) (3 for 21c).

LUPINES (Russell Lupines). Similar in habit and growth to the common lupine but having more vivid coloring and color combinations. The many hues and long stemmed blossoms are very desirable either as background for the perennial bed or for cut flowers. One-year plants.

(Each 45c) (3 for \$1.25).

Add postage and packing: (Each 8c) (3 for 21c).

PERENNIAL PLANTS, BULBS

HARDY PHLOX

Aetna. Clear red.

Africa. Carmine-red with blood-red eye.

B. Compte. Brilliant rich French purple.

Beacon. Cherry red.

Border Queen. Deep watermelon pink.

Bride's Maid. Pure white with large crimson eye.

Champs Elysees. Rich purple crimson.

Colonial. Clear lavender or orchid.

Lavender. Pure lavender.

Morganrood. Deep rose pink.

Mrs. Jenkins. Pure white.

Painted Lady. Silvery pink with red eye.

Pantheon. Clear pink with dark eye.

R. P. Struthers. Rosy carmine with claret-red eye.

Thor. Deep salmon pink.

Von Hockberg. Good red.

Von Lassburg. The largest of all pure whites.

(Each 32c) (3 for 89c) (Doz. \$3.45).

Add postage and packing: (Each 8c) (3 for 19c) (Doz. 27c).

PLATYCODON (Balloon Flower).

Grandiflorum. Closely related to the Campanula. Large deep blue flowers all summer on 18-inch stems.

(Each 32c) (3 for 89c).

Add postage and packing: (Each 8c) (3 for 19c).

SCABIOSA (Pin Cushion Flower, Blue Bonnet, Caucasica). Lovely soft lavender blooms from June to September; 18 inches high.

(Each 32c) (3 for 89c).

Add postage and packing: (Each 8c) (3 for 19c).

STATICE (Latifolia, Sea Lavender). Grows 12 to 15 inches high in clumps of thick, leathery foliage, with loose panicles of tiny delicate blue flowers, in heads 15 inches or more across. 3-year plants.

(Each 48c) (3 for \$1.35).

Add postage and packing: (Each 8c) (3 for 19c).

SWEET PEA, PERENNIAL (Lathyrus). Flowers much like the annual Sweet Pea. Can be used as a covering for walls and trellises, and as a border plant. Colors pink, red and white.

(Each 39c) (3 for \$1.05).

Add postage and packing: (Each 8c) (3 for 19c).

TRITOMA. Perpetual flowering hybrid. Beautiful spikes of delicate hues of red, pink and yellow. Hardy.

(Each 49c) (3 for \$1.40).

Add postage and packing: (Each 8c) (3 for 19c).

HARDY LILIES

ELEGANS ATROPURPUREUM. A good one for bedding, growing 12 to 15 inches. Deep red flowers, shaded crimson, large size. Blooms in June. Plant 4 to 5 inches deep.

(Each 43c) (3 for \$1.19) postpaid.

HENRYII. The Golden Speculum. Golden yellow flowers in August and September. Plant 6 to 8 inches deep.

(Each 39c) (3 for \$1.05) postpaid.

MADONNA (Candidum). Clear waxy white flowers. On stems to 4 feet. Very fragrant.

(Each 43c) (3 for \$1.19) postpaid.

REGALE. A lily of rare beauty from north-western China. The flowers are white, slightly suffused with pink, creamy yellow throat, and very fragrant. Blooms in July. Plant about 5 inches deep. Large bulbs 6 to 8 inches.

(Each 35c) (3 for 95c) (Doz. \$3.49) postpaid.

SPECIOSUM RUBRUM. Grows 3 to 5 feet tall. Blooms in September of white background and shading from pink to carmine with pink dots.

Plant 6 to 8 inches deep.

(Each 69c) (3 for \$1.95) postpaid.

TIGER LILY, Double. An old favorite, easy to grow and very hardy. Grows 3 to 5 feet. Blooms September and October. Large bulbs, 6 to 8 in. Plant about 5 in. deep.

(Each 29c) (3 for 80c) (Doz. \$2.95) postpaid.

LILY-OF-THE-VALLEY. It does best in a shady corner and spreads rapidly. Every year you find more plants. They show early in the spring and are one of the first to bloom. It is very hardy and needs no attention in the fall to carry through the winter.

(For clump of 10 pips, 38c) (10 clumps \$3.25) postpaid.

FERNS

GOLDIE'S WOOD (Aspidium). Hardy evergreen variety. Grows about 2 feet.

MAIDEN HAIR (Spleenwort Asplenium Tricomane). Does best in shade. Growing to 2 feet. Very attractive native variety. Black stems with green fronds.

OSTRICH PLUME (Onoclea Struthiopteris). Very graceful with finely cut pinnules. Grows 2 to 3 feet.

Your choice of above: (Each 39c) (3 for \$1.05).

Add postage and packing: (Each 8c) (3 for 19c).

BULBS



Gladiolus

GLADIOLI

One of the most attractive of summer flowering bulbs is the gladiolus. A nice feature of this bulb is the culture. It does not require very much attention and only takes the usual amount of watering that is given any ordinary garden. In setting out the bulbs, try to select a sunny spot of fairly rich soil and spade deeply, then place your bulb firmly 4 to 5 inches from the surface, and about the same distance apart.

- Camrose.** Apple blossom pink.
- Chamouny.** Deep rose, edged with silver.
- Crinkled Cream.** Large light creamy yellow.
- Daisy Mae.** Orange pink with dark throat blotch.
- Elizabeth the Queen.** Orchid lavender.
- Eitel Cave Cole.** Large, light pink.
- Golden Arrow.** Deep yellow.
- Junebells.** White with reddish feather in throat.
- King Lear.** Ruffled, velvety red-purple.
- Lady Jane.** Cream with yellow throat.
- Leeuwenhorst.** Huge, deep pink.
- Margaret Fulton.** Coral red.
- Miss Wisconsin.** Large rosy lavender.
- Modern Times.** Bright American Beauty rose red.
- Pink Radiance.** Tall pure pink.
- Ravel.** New blue shade. Very good.
- Red Charm.** Good crimson, large blooms.
- Rosa Van Lima.** Shell pink, white markings.
- Silver Wings.** Ruffled pure white.
- Snow Princess.** Best commercial white.
- Spic and Span.** Tall bright pink.
- Spotlight.** Yellow with red throat.
- Valeria.** Distinctive soft scarlet.
- White Gold.** Large cream, golden throat.
- Yellow Herald.** Early lemon yellow.

Your choice of above bulbs: (10 for 89c) (100 for \$6.90) (Add postage and packing, per 10, 8c; per 100, 30c).

NEWER VARIETIES SPECIAL GLADIOLI COLLECTION

- Abu Hassan.** Deepest purple.
- Cardinal Spellman.** Large maroon red.
- Gen. Eisenhower.** Bright begonia rose pink.
- Harmau.** Slightly ruffled orange red with rose overtone.
- Mother Kadel.** Clear yellow.
- Phantom Beauty.** Light pastel pink.
- Sharazade.** Light pink with dark red throat.
- Uhu.** Good, brown with salmon shadings.

One each of above collection, 8 bulbs 89c.
Add postage and packing 8c.

GLADIOLI MIXTURES

Our Best Mixture, 12 bulbs, 6 to 12 different colors: (Per Mixture 49c) (100 of our Best Mixture \$3.59) (Add postage and packing: Per 12, 8c; Per 100, 30c).

Ordinary Mix, good quality bulbs, but uneven mixture: (Per 50, \$1.60) (Per 100, \$2.90) (Add postage and packing: Per 50, 21c; Per 100, 30c).

CANNAS

In preparing the ground for cannas earth should be spaded at least 2 feet deep and plenty of stable manure mixed in. The roots must be set about 8 to 10 inches from the surface and 2 feet apart, and with little attention, plants will bloom heavily.

- City of Portland.** 3½ feet. Deep pink; green foliage. Free bloomer.
- Eureka.** 4 feet. Large creamy-white flowers. Blooms early and freely through summer. Green foliage.
- Florence Vaughan.** 4 feet. Bright, rich, golden yellow, dotted crimson. Green foliage.
- Hungaria.** 4 feet. Large heads of peach pink with green foliage. One of the best pinks.
- King Humbert.** 4 feet. Handsome scarlet flowers. Broad, tropical bronze leaves. Free blooming.
- Madam Crozy.** 4 feet. Brilliant vermilion-scarlet, yellow-golden edge.
- Statue of Liberty.** 5 to 7 feet tall. Blazing flame red flowers. Bronze foliage.
- The President.** 4 feet. Rich, glowing scarlet of immense size bloom. Large green leaves, strong grower.
- Wyoming.** 5 feet. A beautiful orange color. Bronze foliage.
- Yellow King Humbert.** 4 feet. Deep rich yellow, spotted and blotched bright red. Green foliage. Occasionally some plants will give a scarlet or scarlet-striped flower.

All varieties (Each 15c) (6 for 85c).
Add postage and packing: (Each 8c) (6 for 19c).

Dahlias for Gorgeous Flowers

On orders of six or more Dahlias we will allow 5% reduction in price. All postpaid.

Culture: Pick a sunny spot if possible and spade well. Do not use too much manure, for a small quantity goes far with the Dahlia. Then lay the root on its side about 4 inches from the surface. In covering, be sure to have the soil packed firmly about the tuber or roots; plant only when the soil is dry, then water sparingly.

Key—(PF), Peony Flowered. (D), Decorative. (C), Cactus. (HC), Hybrid-Cactus. (S), Show.

DAHLIAS.

Adirondack Sunset (D). A very large, vivid scarlet shading to bright canary yellow at the base of petals.

(Each 75c).

Ailsa Belle (C). Raspberry red with a shade lighter on the reverse. Wonderful as a cut flower, very long stems.

(Each 75c).

Avalon (D). Pure clear yellow; the large flowers are very distinct and pleasing in shape, always full to the center.

(Each 39c).

Baby Keith (D). Peach, amber and rose red profuse bloomer. Ideal for cutting.

(Each 59c).

Blue River (D). Very large, bright mauve with decided blue shading. Stems splendid, profuse blooming.

(Each 59c).

California Idol (I.D). One of the largest yellows grown. Has been and still is a great winner at the shows. Deep flowers with high full centers. Sturdy bush.

(Each 59c).

Capt. Cedarquist (C). Color bright salmon orange, shading into a lighter tone at the tips. Long strong stems. First class cut-flower and exhibition variety.

(Each 75c).

Chemar's Dahliamum (D). Large full apricot formed like a large Mum. Good branching bush with lots of bloom.

(Each \$1.00).

Cherokee Brave (D). Color, dark glowing carmine. Long stiff stems hold the large blooms perfect.

(Each 75c).

City of Buffalo (D). A real red dahlia. There are no adjectives to fully describe this reddest of all red dahlias. Center of flower is full decorative type. When in full bloom outside edge has slight appearance of cactus dahlia.

(Each 75c).

Clara Barton (D). Large flowers of a silvery orchid, reverse of petals deep lavender. The general effect is lavender.

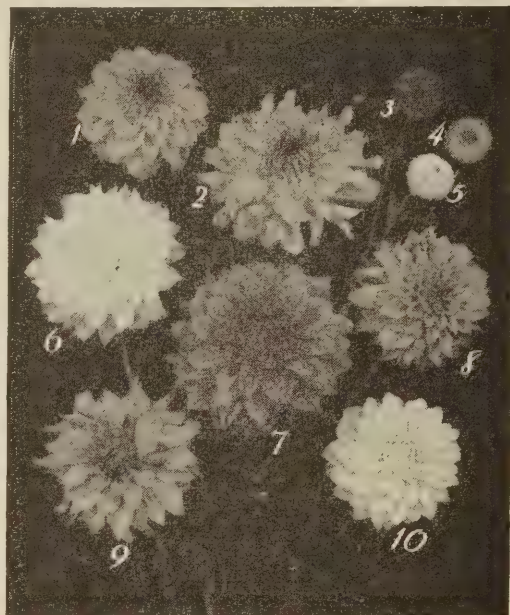
(Each 39c).

Commando (D). A clear shade of lavender or true phlox purple and very bright. Large clean flowers from 10 to 14 inches and held on long stiff stems. An achievement medal winner.

(Each 75c).

DAHLIA COLLECTION \$3.49

We will send postpaid, any ten, your selection, of our 39c each Dahlias, for \$3.49.



1. Jersey's Beauty
2. Jane Cowl
3. Little Donald
4. Bronze Papoose
5. Joe Fette

7. Jersey's Beacon
8. Mrs. I. de ver Warner
9. Kentucky
10. Jim Moore

6. Avalon

Cometeer (C). Cactus, bronzy gold.
(Each 59c).

D Day (FD). An outstanding light pink cut-flower. Long stems and free-branching prolific habits. One of the best pinks. Cut-flower growers—do not miss this one.

(Each 75c).

Evelyn Chandler (SC). Bright golden orange.
(Each \$1.00).

Gov. Heil (C). A beautiful combination color of orange and burnt orange towards the center, a free bloomer and good grower.
(Each 75c).

Hilda Fioretti (SC). A real find in a pink semi-cactus. A perfect flower on long straight stems.
(Each \$1.00).

J. A. Kernochan (FD). A lovely bi-color of garnet red with white tips. It is nearly a ball with all good points.
(Each 75c).

Jane Cowl (D). Buff and old gold blending to apricot and rose.
(Each 59c).

Jersey's Beauty (D). A most distinctive Dahlia of a rose pink color.
(Each 59c).

Jersey's Beacon (D). Immense flower of Chinese scarlet, reverse paler, nice stems.
(Each 39c).

In a Variety of Colors and Shapes

Kemp's White Wonder (HC). A shaggy white, one of the largest of Dahlias, very robust plant and a good propagator.
(Each 59c).

Kentucky (D). A sport of Jersey Beauty. Bronze pink, good stem.
(Each 59c).

La Reina (D). Golden Buff. Very good.
(Each 59c).

Miss San Diego (C). Tyrian pink with yellow center. Petals deeply lacinated at tips. One of the most outstanding of all cactus dahlias.
(Each \$1.00).

Mrs. Carl Salbach (D). Lavender pink.
(Each 39c).

M. Col. (D). A beautiful tri-color flower. Yellow at the center shading to orange with silvery white tips.
(Each 59c).

Mrs. Edison (D). Large purple.
(Each 75c).

Mrs. Geo. Leboutillier (D). One of the very best exhibition reds. Large flowers on long, fine stems. The color is a pleasing shade of deep crimson red. Highly recommended.
(Each 59c).

Mrs. I. De Ver Warner (D). Mauve pink.
(Each 39c).

Nancy Ann Mitchell (C). Color true, vivid scarlet with buff reverse which shows with revolution of petals. Profuse bloomer, well rounded growth. Foliage fine cut. Keeps well when cut.
(Each 75c).

Omar Khayyam. Very large Chinese red shading to bright orange. Strong grower.
(Each 59c).

Pink Giant (D). Certainly one of the most beautiful of the new dahlias. Very large flowers of clear, pure pink.
(Each \$1.00).

Rita Wells. A very large dahlia. Informal decorative to semi-cactus. Grenadine pink on buff.
(Each 75c).

Sherwood's Peach (D). Orange apricot of immense size.
(Each \$1.00).

Town Topic (D). Magenta purple. Stems extra long, sometimes comes tipped with white.
(Each 75c).

Tower's Empire (HC). Graceful deep yellow flowers on clean growing bushes. Light green, lacy foliage.
(Each 59c).

White King (D). White, fairly good cut flower.
(Each 39c).

POMPON DAHLIAS

These grow about 3 feet tall with small, formal flowers; excellent for cutting, lasting for days in hottest weather.

Little Belle. Deep rose pink.

Morning Mist. A fine newer variety that promises to be a general favorite both for commercial use and in the garden. The color is a rosy-lavender overlay on white base. It has long, strong stems and is a vigorous grower.

Edith Mueller. A beautiful two toned variety. Golden-orange at base and salmon-red at petal tips. The flowers are perfectly round and borne on long, strong stems. Very fine.

Little Snow White. Good white on fine stems.

Mary Munn. A fine pure lavender.

Rothout. Deep red and a favorite in this color. Long, strong stem and free flowering. Good commercial red.

Yellow Gem. Pure yellow, of excellent form and habit. The best of the yellows.

Your choice of above Pompon Dahlias. (Each 39c) (6 for \$2.19, postpaid).

DAHLIA COLLECTION \$3.59

We are making a Special Offer of Twelve (12) good roots, our selection, all different colors, no two alike, for \$3.59, postpaid. This collection contains some of our finest varieties of which we have a surplus.

PEONIES

The culture of peonies is very easy and it does not require any certain soil, either sandy or heavy will do. The earth must be spaded deep. A little manure mixed in would not hurt. After your ground is in shape, plant the roots from 2 to 3 feet apart, covering the crown only 1 to 2 inches. Then give them plenty of water for best results. The best of the many varieties are those mentioned below. 3 to 5 eyes.

(E) denotes Early, (M) Midsummer, (L) Late.

Baroness Schroeder (L). Flesh to white.

Claire Duboise (L). Satiny pink.

Duchess de Nemours (E). Sulphur white.

Edulis Superba (E). Bright clear pink.

Felix Crousse (M). Ruby red.

Festiva Maxima (E). White.

Karl Rosenfield (M). Velvety crimson.

La Perle (M). Flesh.

Lord Kitchener (E). Cherry red.

Mme. Bramwell (M). Pink.

Mme. Breon. Flesh and lemon.

Monsieur Jules Elie (E). Lilac pink. Very good.

President Taft (M). Pink.

Richard Carvel (E). Bright crimson.

Above peonies: (Each 79c) (3 for \$2.10).

Add postage and packing: (Each 19c) (3 for 25c).

We have many varieties not listed above. If interested in lots of 10 or more, please write for prices and varieties.

Choice of red, white or pink peonies, unnamed varieties, good roots. (Each 59c) (3 for \$1.65).

Add postage and packing: (Each 19c) (3 for 25c).

MISCELLANEOUS SPRING BULBS

The following bulbs should be started indoors if early blooms are desired and then transplanted out of doors when danger of freezing is past.

TUBEROSES. Grown for their fragrant spikes of heavy waxen flowers. For best results, plant in pots early in season, leave in dark place and transplant to outdoors when weather is suitable. We are offering the most commonly grown, and an old standard of the garden.

Pearl. Dwarf and double. White. Very fragrant.

(Each 15c) (3 for 40c) (Doz. \$1.35) postpaid.

CALADIUM ESCULENTUM. Sometimes called "Elephant Ear." Very large leaves, dark waxy green bearing a resemblance to elephant's ears, on sturdy plants. Nice specimen for the flower garden.

(Each 29c) (3 for 79c) postpaid.

CALADIUM FANCY LEAVED. Very colorful plant, grows somewhat smaller than Esculentum, but leaves are spotted and veined with brilliant and unusual coloring.

(Each 35c) (3 for 90c) postpaid.



BEGONIAS,
TUBEROUS ROOTED

BEGONIAS, Tuberos Rooted. Use as potted plants or in beds out of doors. For early blooms pot them indoors using flat boxes with about three inches of moist peat moss. Place bulbs just below the surface 3 to 4 inches apart. Keep moist and in a well lighted position but not in direct sun. Transplant to pots or out of doors when shoots are about 4 inches tall or as weather permits. Dig them in the fall before freezing weather. It is necessary that they be planted in a shady location. Camellia flowering,

in colors, red, pink, and yellow. 1½ to 2 inch bulbs.

(Each 20c) (Doz. \$2.00) your choice postpaid.

HEDGE PLANTS

Have a Permanent Living Fence Around Your Yard or Garden

PRIVET (Ligustrum). Besides being one of our best hedge plants, various species of privet form interesting groups on the lawn. They are almost evergreen; of dense, compact habit. The flowers are fragrant and are followed by pretty sprays of different colored berries.

AMoor RIVER (L. Amurense). A very hardy northern grown type, vigorously upright and tall growing. The leaves are dark green, somewhat lustrous, tardily deciduous. Makes a strong, bold hedge with quite conspicuous bloom in erect white panicles. 18 to 24 inches.

(Per 100 \$22.95) (50 at 100 rate) (25 for \$5.85)

Add postage and packing per 100, 65c; per 50, 39c; per 25, 25c.

EUROPEAN PRIVET (Vulgare). A very hardy and satisfactory variety. Heavy dark green foliage with white flowers followed by blue-black fruits. Growth is inclined to be more horizontal than some of the other varieties and fills in heavily from the ground up. Plant in single rows 9 to 10 inches apart. 12 to 18 in. 3 cane.

(Per 100 \$23.95) (50 at 100 rate) (25 for \$6.15)

Add postage and packing per 100, 45c; per 50, 39c; per 25, 25c.

IBOTA VICARI, Hardy Golden Privet. Same habit of growth as other Privets but has beautiful golden yellow leaves. Used as hedge or as specimen plants, giving a color contrast from early spring to fall. Of compact growth and can be

trimmed to various shapes as desired. 18 to 24 inch plants.

(Each 79c).

(3 for \$2.25) (10 for \$6.90). Add postage and packing each 8c, 3 for 19c, 10 for 25c.

LODENSE. A low growing privet. Can be used as a low growing hedge or kept cut down to a low height for borders in flower beds or along paths. Suitable in locations where low growing shrubs are desired. For hedging, plant 8 to 10 inches apart. 12 to 15 inch size.

(Each 39c).

(10 for \$3.59) (25 for \$8.70). Add postage and packing each, 8c; per 10, 21c; per 25, 25c.



PRIVET HEDGE

CLIMBING VINES

ALL VINES ON THIS PAGE ARE POSTPAID

Vines are used for many purposes, to hide unsightly fences, as shade, some are used to help prevent erosion on banks, and of course for decorative purposes. In our list you will find a suitable vine for almost any kind of planting. All plants two-year-old Number 1.

CLEMATIS

Clematis today are the most showy and effective of all the hardy climbing vines known, so far as richness of color and elegance of form of flower is concerned. Their exceedingly rapid growth makes them very valuable for pillars and trellises, pegged down for rockwork, old trees and stumps.

LARGE FLOWERING VARIETIES. Blooms single, 4 to 5 inches diameter, petals deeply furrowed.

Jackmani. Velvety, violet-purple.

Mad. Ed. Andre. Crimson-red.

Henryi. Creamy white.

(Each \$1.29) (3 for \$3.49).

CLEMATIS (Paniculata). Very hardy, fast growing. Profusion of small white flowers. Makes good coverage. 2 year No. 1 plants.

(Each \$1.19) (3 for \$3.30).



CLEMATIS, Jackmani

HONEYSUCKLE

HECKROTTI. Summer King. To 15 feet. Large, fragrant, flame red trumpets, lined with gold. Producing immense clusters from early summer to frost. Blooms first year of planting. Dark bluish green foliage, free from pests and disease. Hardy 2-year No. 1.

(Each 98c) (3 for \$2.80).

HALLIANA. Color, an intermingling of white and yellow; extremely fragrant and most satisfactory.

(Each 59c) (3 for \$1.65).

SCARLET TRUMPET HONEYSUCKLE (Lonicera Sem-pervirens). Trumpet shaped flowers from July to September. Slow growing but very showy.

(Each 69c) (3 for \$1.89).

GOLD FLAME. An everblooming honeysuckle, blooming from early summer to frost. The foliage is almost evergreen. Tubular flowers with recurving petals, flame red outside and bright yellow inside. Very fragrant and perfectly hardy.

(Each 98c) (3 for \$2.80).

IVY

BOSTON IVY. This is the variety that clings tightly to all surfaces, whether smooth or rough. Leaves are deep green, smaller than the other ivies. Does best in cool, partly shaded locations. 2-year-old plants.

(Each 98c) (3 for \$2.70).

ENGLISH IVY (Hedera Helix). Semi-hardy evergreen vine needs protection for outdoor growth. Does best in shady location. Can be grown indoors if desired in pots. Plants in 2½ inch pots.

(Each 49c) (3 for \$1.35).

SAINT PAULI. An improved Englemanni Ivy. Rapid grower, beautiful fall coloring with clinging tentacles like the Boston Ivy. 2-year No. 1 plants.

(Each 89c) (3 for \$2.40).

POLYGONUM

SILVER LACE VINE (Polygonum Auberti). A rapid climber averaging 20 feet in a season, with fresh green foliage, lightly bronzed at the tips and a profusion of silvery, lacy flowers in erect sprays; most beautiful.

(Each for 98c) (3 for \$2.70).

ASSORTED VINES

BITTERSWEET (Celastrus Scandens). A hardy, useful and ornamental vine. Can be planted in partial shade and thrives in common soils. Used as a cover for walls and trellises, and to stop erosion on steep banks. Yellow flowers in June, followed by bright orange and crimson fruits. 2-year-old No. 1 roots.

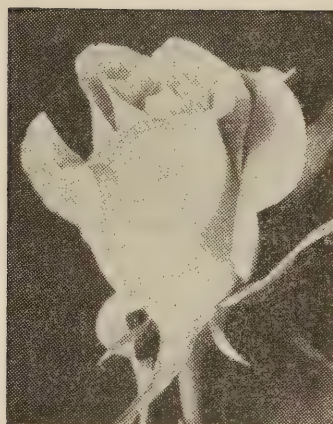
(Each 79c) (3 for \$1.98).

MADEIRA VINE. A beautiful, rapid-growing vine with dense foliage, white fragrant flowers. A hardy plant if protected during the winter. Strong tubers.

(Each 15c) (per doz. \$1.49).

TRUMPET VINE (Bignonia radicans). A splendid hardy climbing plant, with large, trumpet-shaped, scarlet flowers in August. Two-year-old.

(Each 79c) (3 for \$2.19).



TALISMAN

HOWARD'S

The Finest

ROSES

IN THE WORLD

Prices Except Patented Varieties

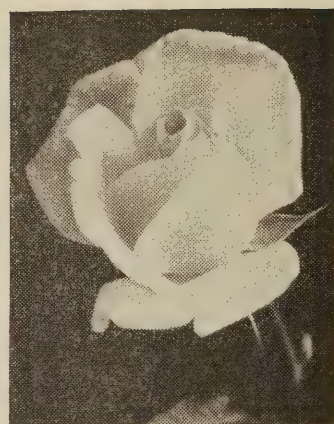
\$1.19 Each

Three for \$3.45

Add postage and packing
charges: (17c each) (3 for 21c)

YOUR CHOICE

Dozen \$12.90



PRESIDENT HOOVER

Add postage and packing: 45c

WE CARRY NO TEXAS GROWN ROSES

All are high altitude No. 1 Roses. When we say NUMBER ONE, we mean that the roses have strong unwaxed canes and a mass of vigorous roots containing many small fibrous roots that enable the plant to get the much needed start when first planted. We would also like to call your attention to the fact that early plantings bring early flowers. Hot weather plantings are never as good as when planted during the cooler spring weather.

Planting and cultural directions with each order.

EVERBLOOMING TEA ROSES

Hybrid Tea or H. T. roses will bloom the first year and intermittently during the summer.

WHITE VARIETIES

CALEDONIA. One of the best whites. Long buds, large double lasting blooms.

KAISERIN AUGUSTA VICTORIA. Ivory white, high centered, double.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with bluish pink; fragrant. Plant exceptionally strong and continuously in bloom.

McGREDY'S IVORY. Long pointed bud; large flowers, double, fragrant. Creamy white, yellow base. Large leathery foliage.

SNOWBIRD. The long pointed buds open into full double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

PINK VARIETIES

BETTY UPRICHARD. Salmon pink, tinted coppery-red. Well shaped, double flowers. Good grower. Sweet scented.

COUNTESS VANDAL. Orange and copper buds, flowers open to brilliant pink with yellow base.

DAME EDITH HELEN. Pure glowing pink, very double, tall grower. Delicately scented.

EDITOR McFARLAND. Large glowing pink blooms, fragrant; strong stems on a vigorous plant.

LOS ANGELES. Long pointed buds, double blooms. Flame pink toned coral, golden base.

MRS. CHAS. BELL. Distinct shell pink, shaded soft salmon.

PICTURE. Velvety clear rose pink with undertone of salmon-rose.

PINK DAWN. Bud long pointed. Large double flower, high centered, very fragrant. Deep rose-pink opening to a lighter shade. Vigorous.

PINK RADIANCE. Same habits of growth as the Red Radiance only pink in color.

THE DOCTOR. Large beautiful buds opening to enormous semi-double cupped flowers of satiny pink. Hardy, vigorous and bushy plants.

RED VARIETIES

AMI QUINARD. One of the darkest reds, velvety crimson-maroon. A tall vigorous grower and free bloomer.

CHRISTOPHER STONE. Vivid scarlet roses of a velvety texture. Free blooming, fragrant, hardy.

E. G. HILL. Large, extremely double, lasting deep scarlet, vigorous grower and a profuse bloomer.

ETOILE DE HOLLAND. Large dark velvety red. Very fragrant and a heavy bloomer.

GRENOBLE. Crimson buds on long stems opening into large brilliant red flowers. Vigorous, hardy.

GRUSS AN TEPLITZ. Dark velvety-scarlet, intensely fragrant. Continuously in bloom. Very hardy.

HADLEY. Very large, well formed, double, fragrant, rich crimson blooms. Rich green foliage and very hardy.

McGREDY'S SCARLET. Beautifully formed, high centered blooms of brilliant scarlet shaded rose-pink. Vigorous grower.

NIGHT. Long pointed buds; high centered, fragrant double flowers of deepest blackish crimson, shaded maroon. Bushy plants.

POINSETTIA. Long pointed buds. Large double flowers of bright scarlet. Prolific bloomer.

RED RADIANCE. Always in bloom with large round blossoms of deep rose red. Strong canes bearing until frost.

RED TALISMAN. Bud long pointed, large flowers, double, fragrant. Deep cerise-red, yellow at base. Good grower.

SEE PAGE 73 FOR PATENTED FLORIBUNDA ROSES

MORE HOWARD ROSES

VARIEGATED VARIETIES

AUTUMN. Vigorous grower with long, strong stems. Blooms of rich burnt orange, yellow and red.

CONDESA DE SASTAGO. Golden yellow buds. Yellow and copper-scarlet blooms. When the flower is open the inside of the petal is a fiery red, and the outside a rich gold. Disease resistant. A fine spicy scented rose.

MME. JOSEPH PERRAUD. Large, fragrant, double yellow flowers. Tinted copper at center. Long stems.

DUQUESA DE PENARANDA. A popular variety, large pointed buds of copper-apricot with glossy foliage. Grows tall and well shaped.

PRESIDENT HOOVER. Large double blooms of creamy yellow tinted with flame pink. Long stems.

TALISMAN. A favorite of rich yellow and rose red. Good stems for cutting.



CONDESA DE SASTAGO

YELLOW AND GOLD VARIETIES

GOLDEN DAWN. Bud rich sunflower yellow, flushed old rose. Double.

JOANNA HILL. Good stems for cutting, long lasting buds. Double creamy yellow shaded bronzy pink in the center.

McGREY'S YELLOW. Beautiful light buttercup yellow buds. Double flowers of good size. Hardy.

MRS. E. P. THOM. Long pointed buds; large flowers, well formed, double, fragrant, clear deep canary-yellow. Long stemmed. Hardy.

ROSLYN. Long pointed bud, deep orange, opening to large flowers, golden yellow on a compact bush. Vigorous grower.

SOEUR THERESE. Long pointed buds; large golden yellow flowers, slightly fragrant. Leathery foliage, vigorous grower.

YELLOW SASTAGO. Yellow sport of Condesa de Sastago. Same type flower and habit of growth.

CLIMBING ROSES

RED VARIETIES

AMERICAN BEAUTY. Rich red fading to crimson. Strong grower.

CRIMSON RAMBLER. A very hardy climber, bearing clusters of crimson red flowers.

CL. ETOILE DE HOLLAND. Same as tea rose.

PAUL'S SCARLET. A profuse spring bloomer of vivid scarlet. Hardy. One of the best.

CL. RED RADIANCE. Same as tea rose.

MISCELLANEOUS VARIETIES

CL. CALEDONIA. Same as tea roses.

CL. PINK RADIANCE. Same as tea rose.

CL. TALISMAN. Yellow, stained coppery red.

PATENTED ROSES

HYBRID TEA

ADD POSTAGE AND PACKING

17c each, 3 for 21c, dozen 45c.

CAPISTRANO. (Pat. No. 992.) Rich shade of deep pink in buds as well as flowers. Does not fade. Buds are large. Blooms on strong stems with a rich lasting fragrance.
(Each \$2.25) (3 at \$2.00 each).

CHRYSLER IMPERIAL. (Pat. No.). All-American for 1953. Its vivid rich tones of crimson are enriched by darker tones of ox-blood red. Produces an abundance of high centered, very fragrant flowers 4½ to 5 inches across. Buds long and tapered. Sturdy compact bush. Leaves large, dark.
(Each \$3.00) (3 at \$2.60 each).

CHARLOTTE ARMSTRONG. (Pat. No. 455.) Long slender blood-red buds opening to brilliantly hued flowers, spectrum red in cool weather and cerise in hot weather.
(Each \$2.00) (3 at \$1.75 each).

CRIMSON GLORY. (Pat. No. 105.) Perfectly formed blooms, intense vivid crimson, soft velvety sheen. Fragrant.
(Each \$1.75) (3 at \$1.55 each).

DIAMOND JUBILEE. (Pat. No. 824.) Honeycomb yellow or buff-orange with a touch of orange-yellow at base of petals. Large, beautiful, high-centered, and long lasting blossoms. Free bloomer, hardy.
(Each \$2.00) (3 at \$1.75 each).

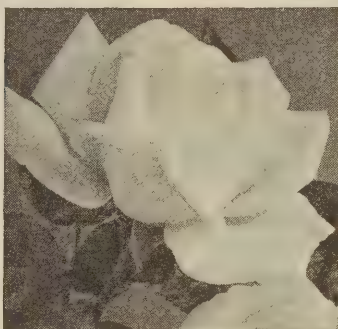
ECLIPSE. (Pat. No. 172.) Long pointed buds of deep gold. Long-lasting bright yellow blooms on vigorous plants.
(Each \$1.75) (3 at \$1.55 each).

FORTY-NINER. (Pat. No. 792.) A rose of contrasting colors that secured an A. A. R. S. award for 1949. Long buds opening to a well shaped bloom that has a beautiful blend of colors. Petals vivid red inside, chrome yellow outside, changing to a straw color. Lasting bright shades and mildly fragrant.
(Each \$2.25) (3 at \$2.00 each).

FRED HOWARD (Pat. No. 1006.) Long rich yellow buds tipped with delicate penciling of light pink.

Patented Roses

Hybrid Tea



PEACE

Strong and hardy, long stems; blooms from early spring to late fall. A.A.R.S. award for 1952. (Each \$2.75) (3 at \$2.40 each).

HEART'S DESIRE. (Pat. No. 501.) Well formed buds that open to large blooms of pure luminous red. They hold their shape and color until the last petal falls. Does not burn in hottest weather. Vigorous grower and prolific bloomer. Very fragrant. (Each \$1.75) (3 at \$1.55 each).

HELEN TRAUBEL. (Pat. applied for.) The color varies with the weather, sometimes a light sparkling pink but more often a glowing apricot. Unusually large and long buds that are magnificent. A wonderful display of color when fully open. Very vigorous grower. A.A.R.S. Award for 1952. (Each \$2.75) (3 at \$2.40 each).

KATHERINE T. MARSHALL. (Pat. No. 607.) A vigorous grower with large, open, upright blooms of glowing pink. Fragrant, perfect form and long stems. (Each \$1.75) (3 at \$1.55 each).

LOWELL THOMAS. (Pat. No. 595.) Large, long pointed buds. Flowers large and very double. Lasting canary yellow. Strong stems. Vigorous, bushy plants. Intermittent bloomer. (Each \$2.00) (3 at \$1.75 each).

MIRANDY. (Pat. No. 632.) Long ovoid buds opening to very double blooms of maroon red. Long lasting and of penetrating fragrance. (Each \$2.00) (3 at \$1.75 each).

MISSION BELLS. (Pat. No. 928.) Deep glowing salmon, which opens to a clear shrimp pink color. Vigorous heavily branched plants with disease resistant coppery green foliage. Pointed buds and high centered flowers, to 5½ inches across A.A.R.S. award for 1950. (Each \$2.25) (3 for \$6.00).

NEW YORKER. (Pat. No. 823) Large velvety scarlet blooms to 6 in. Fragrant. Plants are vigorous, bushy and heavy blooming. Long lasting and sun resisting. (Each \$2.00) (3 at \$1.75 each).

NOCTURNE. (Pat. No. 713.) Bright cardinal red with dark shadings of crimson. Large petals, long lasting fragrant flowers. A.A.R.S. award for 1948. (Each \$2.00) (3 at \$1.75 each).

PEACE. (Pat. No. 591.) Ovoid buds and golden yellow etched with pink as they open. Color changes from canary yellow to pale golden, to cream. Petals are edged with apple blossom pink that deepens as the flowers open to about 5 inches. (Each \$2.50) (3 at \$2.20 each).

REX ANDERSON. (Pat. No. 335.) An outstanding exhibition rose of delicate ivory white. Perfect form, slow opening, one of the few successful whites. Large full double flowers. (Each \$1.75) (3 at \$1.55 each).

RUBAIYAT. (Pat. No. 758.) A prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Tall, vigorous, luxuriant foliage. Old rose fragrance. (Each \$1.75) (3 at \$1.55 each).

SAN FERNANDO. (Pat. No. 785.) Large high-centered, changing from glowing red to scarlet. Fragrant. Vigorous and an abundant bloomer. (Each \$1.75) (3 at \$1.55 each).

SHOW GIRL. (Pat. No. 646.) Long, pointed buds opening to large, fragrant, deep pink flowers. Long stems and a good grower. (Each, \$1.50) (3 at \$1.30 each).

SUTTERS GOLD. (Pat. No. 885.) Beautiful, long pointed, yellow bud, richly shaded with orange and red. Rich tea fragrance. High centered richly colored blooms. A.A.R.S. award for 1950. (Each \$2.25) (3 at \$2.00 each).

TALLYHO. (Pat. No. 828.) A bi-color but the contrast is not great. Inside of petals is a unique shade of pink, outside a rich crimson. Deep cardinal-red buds producing large blooms on long stems. Perfectly formed and a spicy fragrance. (Each \$2.00) (3 at \$1.75 each).

WILL ROGERS. (Pat. No. 256.) Dark velvety maroon, very fragrant, double. Strong, vigorous plants with dark green foliage. Good cut flowers. (Each \$1.50) (3 at \$1.30 each).

PATENTED CLIMBING ROSES

BLAZE. (H.T.) (Pat. No. 10.) Hardy recurrent blooming climber, with the beautiful scarlet shades of Paul's Scarlet climber, but a much heavier bloomer. (Each \$1.50) (3 at \$1.30 each).

CL. CRIMSON GLORY. (Pat. No. 736.) Climbing form of the hybrid tea. Produces an abundance of perfectly formed crimson colored blossoms. (Each \$2.00) (3 at \$1.75 each).

DR. J. H. NICOLAS. (Pat. No. 457.) Vigorous plant with dark green foliage. Flowers fully double, rose pink, 5 to 6 inches across and with about 50 petals, fragrant. Will grow about 8 to 10 feet tall and is everblooming. (Each \$2.00) (3 at \$1.75 each).

CL. PEACE. (Pat. No. 932.) Climbing form of Pat. No. 591. (Each \$2.50) (3 at \$2.20 each).

SEE PAGE 73 FOR
PATENTED
FLORIBUNDA ROSES

ORNAMENTAL SHRUBS

Ornamental shrubs look better when planted three or more of a kind grouped together, if the size of the plot will permit. They are suitable for border planting around the walks and lawns and also the low growing varieties for foundation planting around the house and porch. To make it easier to select shrubs for particular purposes, we have adopted letters to denote the average height to which the various shrubs grow at maturity.

"T" denotes shrubs 12 to 15 feet. "M" denotes shrubs 6 to 8 feet.
 "L" denotes shrubs 8 to 12 feet. "D" denotes shrubs 2 to 3 feet. "S" denotes shrubs 3 to 6 feet.

ARALIA

ARALIA. (Five Leaf). Tall upright growing shrub, 6 to 8 feet. Branches mostly straight covered with short sharp spines. Leaves dark green with five on each small branch or twig. Makes a dense growth from the ground to the top of the plant. A fine shrub that can be planted in most any location suitable for its height, as background, border or specimen plant. Perfectly hardy and will grow in any good soil. 2 to 3 foot plants. (Each \$1.15) (3 for \$3.15).

Add postage and packing: (Each 17c) (3 for 24c).

BARBERRY

JAPANESE (Berberis Thunbergi) (D). A very popular low hedge plant of great hardiness; flowers followed by bright red berries that remain on plant until February. Foliage small dark green, turning to brilliant colors in fall. Effective for use in edging shrubbery or in masses. Transplants 15 to 18 inches.

(Each 48c) (3 for \$1.29).

Add postage and packing: (Each 17c) (3 for 25c).

NEW RED-LEAVED JAPANESE BARBERRY (D). Similar in all respects to the green-leaved, but the foliage is of rich, lustrous bronzy red. It should be planted in a sunny exposure to bring out and retain its full red color.

(Transplants 15-18 in. Each 79c) (3 for \$2.15).

(Transplants 2 to 2½ feet Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 17c) (3 for 25c).

BEAUTY BUSH

BEAUTY BUSH (Kowlkwitzia Amabilis) (S). A graceful shrub with arching branches. Pink honeysuckle shaped flowers in May. Very hardy. Bushy plants. 3 to 4 feet.

(Each \$1.49) (3 for \$4.10).

Add postage and packing: (Each 17c) (3 for 21c).

BLUE SPIREA

CARYOPTERIS (Blue Mist) (D). A low growing shrub blooming from August to frost, with many clusters of powdery blue, fringed flowers. Silvery green foliage, slightly toothed leaves. Hardy No. 1 plants.

(Each 89c) (3 for \$2.29).

Add postage and packing: (Each 17c) (3 for 21c).

BUTTERFLY BUSH

BUTTERFLY BUSH (Buddleia) (S). A very beautiful shrub, with long graceful stems terminating in tapering panicles of rich colored flowers. Although hardy, it will freeze down in Colorado and it is best to cover the roots with leaves or manure to insure a heavier growth the next season. They will bloom from June until frost.

Burgundy. A dark red Buddleia with blood red eye shading lighter to edge of petals.

Dubonnet. New dark wine flowers on large, firm spikes.

Empire Blue. (Pat. No. 557). A beautiful shade of blue, being an Aster-blue with a delicate tone. Almost a Royal Blue.

Fortune (Pat. No. 206). Pure lilac flowers with brilliant orange eye on large round sprays to 2 feet long. Good cut flowers. Deep dark green foliage.

Royal Red (Pat. No. 556). A new variety producing an abundance of round sprays 18 to 24 inches long. Rich dark purple, showing almost red when displayed under artificial light. Grow 4 to 6 feet tall with deep leathery green foliage. Your choice of above: (Each 75c).

Add postage and packing: (Each 17c).

COTONEASTER

COTONEASTER (Acutifolia) (M). Growing from 6 to 8 feet in height, this perfectly hardy shrub makes an ideal foundation or full sun plant. Has graceful arching branches, colorful fall foliage and black berries that hang on well into the winter. 2 to 3 ft. shrubs.

(Each 98c) (3 for \$2.70).

Add postage and packing: (Each 17c) (3 for 21c).

COTONEASTER. Spreading Cotoneaster. Of spreading growth. 5 ft. in height. Foliage nearly evergreen. Pink flowers followed by red berries. A good hardy, attractive plant.

2 to 3 ft. shrubs (Each \$1.69) (3 for \$4.79). Add postage and packing: (Each 17c) (3 for 25c).



Buddleia, Fortune

TO IMPROVE YOUR LANDSCAPE

DOGWOOD

CORNUS, Alba Siberica (M). Red stemmed. Clusters of white flowers, succeeded by fall crop of white berries; stem and branches turning to blood-red in winter. 3 to 4 feet.

GOLDENTWIG, Stolonifera Lutea (M). Yellow stemmed. Clusters of white flowers, stems and branches are yellow. 3 to 4 feet.

Either dogwood (Each \$1.19) (3 for \$3.19).

Add postage and packing: (Each 17c) (3 for 25c).

ELDER

Although the elders are attractive in flower and fruit, they are chiefly grown for their beautiful leaves, which make admirable fillers among other shrubs. Being rather tall growing and of robust habit, their use should be confined to backgrounds, screens or tall hedges.

GOLDEN ELDER (S. nigra aurea) (L). Contrasted with other shrubs, the golden yellow leaves of this European Elder give heightened effects in tone and color. Flowers white in flat-topped cymes. Grows naturally 10 to 15 feet but can be pruned into neat, compact bush. 3 to 4 feet.

(Each \$1.39) (3 for \$3.90).

Add postage and packing: (Each 17c) (3 for 21c).

GOLDEN BELL

FORSYTHIA SPECTABILIS (M). This splendid spring flowering shrub is one of the earliest to bloom. The golden yellow flowers burst out close to the yellow stems and are followed by glossy green foliage. Branches slightly drooping. Hardy and easy to grow. 3 to 4 feet.

(Each \$1.19) (3 for \$3.19).

Add postage and packing: (Each 17c) (3 for 21c).

HONEYSUCKLE

TARTARIAN LONICERA (M). The upright honeysuckle have bright and fragrant flowers, followed by showy berries that last through the early fall. Make very desirable and attractive shrubs. Very hardy. Ultimate height 6 to 8 feet. Separate colors, white, rose-pink and red. 3 to 4 feet.

(Each \$1.09) (3 for \$2.98).

Add postage and packing: (Each 17c) (3 for 21c).

HYDRANGEA

ABOESCENS GRANDIFLORA or **HILLS OF SNOW** (S). This hardy American shrub grows 4 to 6 feet high and is one of the finest of this class of plants. The blooms are of largest size, or pure snow-white and the foliage is finely finished. Blooms after all the early shrubs from June until August. 2 to 3 feet.

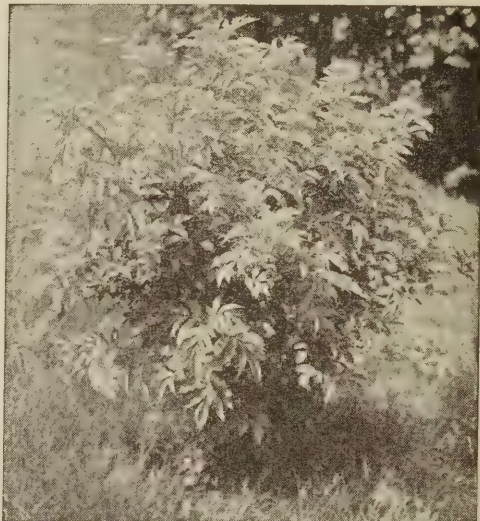
(Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 17c) (3 for 25c).

PANICULATA GRANDIFLORA (S). A good one to follow Hills of Snow, blooming profusely when other flowers are falling in the fall. Blossoms open white, assuming rose and bronze tints on the sunny side and drooping gracefully of their own weight. 2 to 3 feet.

(Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 17c) (3 for 25c).



GOLDEN ELDER

LILAC (Syringa)

CHINESE (Rothomagensis) (M). Has small, slightly pointed leaves, on slender, straight branches. Reddish purple flowers are borne in loose panicles a little later than the common purple variety. Free blooming and very hardy. 3 to 4 feet.

(Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 17c) (3 for 21c).

PURPLE (Syringa Vulgaris) (M). Lilac flowers which are of a delightful fragrance and borne in magnificent clusters in May. 2 to 3 feet.

(Each 89c) (3 for \$2.15).

Add postage and packing: (Each 17c) (3 for 21c).

VILLOSA (M). Large panicles of violet flowers shaded a pronounced pink. Blooms in June. Very bushy. 2 to 3 feet.

(Each \$1.09c) (3 for \$2.95).

Add postage and packing: (Each 17c) (3 for 21c).

FRENCH LILACS. Named varieties. Hardy hybrids. Chosen for their attractive flowers of different colors and foliage. The letter (D) denotes double and the letter (S) single types of blossoms.

Charles Joly (D). Rich red.

Ludwig Spaeth (S). Dark purple.

Pres. Carnot (D). Orchid pink.

Pres. Lincoln (D). Bluish lilac.

Mme. Lemoine (D). White.

Choice of above: 2 to 3 ft. size. (Each \$1.79) (3 for \$5.10).

Add postage and packing: (Each 17c) (3 for 21c).

Select and Plant SHRUBS



ROSE OF SHARON

ROSE OF SHARON

ALTHEA (*Hibiscus Syriacus*) (S). One of the best known shrubs with handsome, plain and variegated foliage. Used for screens, group and specimen planting. Large, double, rose-like flowers in bloom from August until frost. Colors red, pink, purple, blue and white. 3 to 4 feet.

(Each 79c) (3 for \$2.10).

Add postage and packing: (Each 17c) (3 for 21c).

SPIREA

All of the Spireas bloom with a riotous extravagance which makes them quite striking. Their individual style, color and habits of growth differ so markedly that a collection of varieties will insure bloom the entire season and still avoid the monotony of repetition.

ANTHONY WATERER (D). Beautiful dark, small foliage; dense rounded growth; and large, brilliant, rosy crimson corycombs; of long blooming season. At its best in midsummer. Much used for foundation plantings and low borders. 18 to 24 inches.

(Each 89c) (3 for \$2.49).

Add postage and packing: (Each 17c) (3 for 21c).

ARGUTA (Snowgarland) (S). A hardy spirea blooming a week to ten days earlier than the Van Houttei variety. When in bloom it is covered with pure white flowers; foliage fine and feathery. Grows 4 to 5 feet tall. 2 to 3 feet.

(Each 89c) (3 for \$2.49).

Add postage and packing: (Each 17c) (3 for 21c).

BILLIARDI (S). A strong grower; dull green foliage, dense panicles of bright pink flowers. Bloom during July and August and occasionally during the fall. 3 to 4 feet.

(Each 89c) (3 for \$2.49).

Add postage and packing: (Each 17c) (3 for 21c).

FROEBELI (D). Similar to Anthony Waterer; grows a little taller; the flowers are more of a rose-pink and bloom from June until fall. On account of its purplish bronze foliage, it is extensively planted for color effect. 2 to 2½ feet.

(Each 89c) (3 for \$2.49).

Add postage and packing: (Each 17c) (3 for 21c).

PRUNIFOLIA (True Bridal Wreath). A dainty shrub but hardy. Perfectly formed double white flowers along the stems. A profuse and graceful bloomer a little later than Van Houttei. 2 to 3 feet.

(Each \$1.09) (3 for \$2.95).

Add postage and packing: (Each 17c) (3 for 21c).

THUNBERGI. A hardy medium height shrub, growing to 4 feet. Feathery bright green foliage on slender spreading branches. Pure white flowers about first of May. 2 to 2½ feet.

(Each 79c) (3 for \$2.19).

Add postage and packing: (Each 17c) (3 for 21c).

MOCK ORANGE (*Philadelphus*)

BOUQUET BLANC (S). A fine variety for borders or foreground, also used as a hedge. Very fragrant, double flowers three-quarters to one inch across, all along the stem. White blossoms during June in the western states. 4 to 5 feet at maturity. 18 to 24 inch plants.

(Each 89c) (3 for \$2.39).

Add postage and packing: (Each 17c) (3 for 21c).

CORONARIUS (L). Blooms in May, in very graceful sprays, slightly scented. Good for tall screens. Milk white flowers, in most cases, and beautiful for cutting. 3 to 4 feet.

(Each 89c) (3 for \$2.45).

Add postage and packing: (Each 17c) (3 for 21c).

VIRGINAL (M). This variety of Mock Orange is very popular. The bush does grow moderately tall, the flowers are large, semi-double, sweetly scented. 3 to 4 feet.

(Each \$1.59) (3 for \$4.29).

Add postage and packing: (Each 17c) (3 for 21c).

PHYSOCARPUS

NINEBARK

OPULIFOLIUS NANA (Dwarf Ninebark). Dwarf, dense growth, beautiful foliage, white flowers in May and June followed by many small red pods. Very hardy, growing 4 to 5 feet.

OPULIFOLIUS AUREA. 8 to 10 ft. Hardy golden leaf variety. Single white flowers in June.

Either of above: 2 to 3 ft. size (Each 89c) (3 for \$2.40).

Add postage and packing: (Each 17c) (3 for 21c).

For Continuous Summer Bloom

VAN HOUTTEI (S). This is one of the finest ornamental shrubs in our whole collection, and much used in all good landscape work. Its branches droop with singular grace under their white burden of flowers in late spring. 3 to 4 feet.
(Each 79c) (3 for \$2.15).

Add postage and packing: (Each 17c) (3 for 21c).
Hedging size, 18 to 24 inches.

(10 for \$2.95). (Add postage and packing: 21c).

SUMAC (Rhus)

STAGHORN SUMAC (Typhina) (L). A large shrub or tree. Furry branches, greenish flowers in June and July. Foliage turns crimson and purple in the fall. Followed by crimson berries. 3 to 4 feet.
(Each 98c) (3 for \$2.70).

Add postage and packing: (Each 17c) (3 for 21c).

SYMPHORICARPOS

Snowberry

RACEMOSUS (Common Snowberry) A very hardy plant that succeeds in most locations. Not particular as to soil. Attractive green leaves, not too large but heavy enough to make good screens for coverage. Pink flowers in June and July followed by pure white berries that hang on well into the winter.

CHENAULTI (Improved Coralberry) Grows about the same height as Racemosus, but leaves are smaller and berries are a coral red. Hardy. Either of above, 2 to 3 ft. size.
Your choice of above.

(Each 79c) (3 for \$2.15).

Add postage and packing: (Each 17c) (3 for 21c).

TAMARIX

HISPIDA (Kashgar Tamarix) (L). Feathery, silvery foliage. Bright coral pink blooms during July. This variety remains in bloom longer than others and is very hardy. 3 to 4 feet.

(Each 98c) (3 for \$2.75).

Add postage and packing: (Each 17c) (3 for 21c).

VIBURNUM

VIBURNUM AMERICANA. American Cranberry Bush. Grows 8 to 12 ft. Well shaped shrub with single white flowers in May. Edible, bright scarlet berries, hanging through the winter.

2/3 ft. (Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 17c) (3 for 21c).

DENTATUM (Arrowwood) (L). Large bushy shrub. Heart shaped leaves, bright green in summer, changing later to rich purple and red. The handsome creamy white flowers are followed by blue-black berries. 2 to 3 feet.

(Each 98c) (3 for \$2.75).

Add postage and packing: (Each 17c) (3 for 21c).

Special Offer

On Spirea listed, pages 69-70, 5 Spirea, no two alike, your choice, \$3.95 postpaid.

VIBURNUM LENTAGO. Nannyberry. Grows 18 to 20 ft. Upright growing shrub or small tree. Blooms with single white flowers in May. Shining green leaves and large blue black berries.

2/3 ft. (Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 17c) (3 for 21c).

OPULUS STERILIS (Snowball) (L). The old-fashioned snowball. Large, double, pure white flowers in May. A heavy bloomer. 2 to 3 feet.

(Each \$1.49) (3 for \$4.19).

Add postage and packing: (Each 17c) (3 for 21c).

WEIGELA

BRISTOL RUBY. Plant Pat. No. 492. (S). Improved Weigela Eva Rathke. Hardier and better grower. Large soft ruby eyed flowers, shading to garnet crimson. 2 to 3 feet.

(Each \$1.39). Add postage and packing: (Each 17c).

ROSEA (Pink Weigela) (S). An exceedingly pretty variety with pink flowers in May and June. 2 to 3 feet.

(Each 89c) (3 for \$2.39).

Add postage and packing: (Each 17c) (3 for 21c).



WEIGELIA

ORNAMENTAL TREES

NOTE: (A)—Denotes trees suitable for street planting. (B)—Denotes trees suitable for lawn planting. (AB)—Denotes trees suitable for either of above.

There is an ornamental deciduous tree for almost every purpose, whether for shade, for hiding objectionable sights, or for beauty, or utility. Our list comprises all those varieties which are well adapted to our western climate. You will find many interesting trees suitable for your individual tastes.

The ornamental trees cannot be sent by parcel post as they are too large. Consequently we are quoting them net prices and they will be sent to you express or freight charges collect.

ASH

EUROPEAN MOUNTAIN (B). Hardy tree; head dense and regular, beautiful fernlike green foliage; covered with clusters of bright red berries from August till winter. Needs fall watering. 6 to 8 feet.

(Each \$3.95).

BIRCH

EUROPEAN WHITE (B). A hardy tree with smooth white bark and handsome foliage. Thrives well in most any soil. Very attractive and ornamental. To further insure their growing we handle birch trees balled and burlapped in moss. 6 to 8 foot trees.

(Each \$2.79).

COTTONWOOD

COTTONWOOD (Cottonless). A fast growing tree similar to the old-fashioned western type of cottonwood but does not develop seed or cotton. Easily grown. 6 to 8 feet in height.

(Each \$1.60) (10 for \$14.40).

ELM

AMERICAN (Ulmus Americana). Easily distinguished by its wide arching top, vase-like form and pendulous branchlets. Next to the oak this is the grandest and most picturesque of American trees. Yellow or brown in the fall. 6 to 8 feet.

(Each \$1.79) (3 for \$4.95).

CHINESE (Pumila). The Chinese Elm has gained in favor more rapidly than any other shade tree, due to its extreme hardiness, rapid growth and ability to withstand severe drought conditions. Brought from northern China, it is well adapted to our western climate. 6 to 8 feet.

(Each \$1.79) (3 for \$4.95).

Chinese Elm Seedlings. Good, sturdy stock, 18 to 24 inches.

(Per 100, \$4.89). Add postage and packing: (45c).

(Per 1000, express or freight \$39.40).

MOLINE ELM (A). A tall growing tree that is very fine for street and drive planting. Large leaves of a beautiful green shade. 6 to 8 feet.

(Each \$2.59) (3 for \$6.90).

HACKBERRY

HACKBERRY (Celtis Occidentalis) (A). A rapid growing and desirable shade tree of spreading growth. Leaves to 5 inches long, toothed, bright green. Orange red or dark red fruit. Very sturdy, limbs seldom broken by wind or heavy snows. 6 to 8 feet.

(Each \$2.90).

HONEY LOCUST

HONEY LOCUST (Gleditsia Triacanthos, Inermis) (A).

A thornless Honey Locust that is very hardy and will do in most any kind of soil. Not affected by borers or drought. Fragrant yellow flowers the latter part of May, followed by long twisted seed pods to 1½ feet long. 5 to 6 feet.

(Each \$3.89).

LINDEN

AMERICAN (Tilia Americana) (AB). This tall, stately tree with its large shining leaves makes an ideal street tree. Sweetly scented yellowish-green flowers in July. 6 to 8 feet.

(Each \$3.39).

MAPLE

NORWAY (Platanoides) (A). A hardy tree, of symmetrical but spreading growth, often 40 feet in height. Roots deeply, allowing grass to grow close to the trunk. Fine for park or street planting. 6 to 8 feet.

(Each \$4.49).

SCHWEDLER'S MAPLE (AB). The beautiful leaves attract attention at all seasons but are especially fine in spring when their gleaming red and purple contrast brightly with the delicate green of other trees. In midsummer they are purplish green, in autumn golden yellow. 6 to 8 feet, branched.

(Each \$4.90).

SOFT OR SILVER MAPLE (A). A hardy, rapid growing native tree of large size. Valuable for producing a quick shade. Excellent for street planting. 6 to 8 feet.

(Each \$2.29) (3 for 6.29).

SUGAR OR HARD MAPLE (A). Splendid ornamental tree, very hardy, not particular as to soil. Spreading habit of growth and fairly rapid grower. Cut leaves, silvery white underneath. Foliage turns bright orange or scarlet in autumn. 6 to 8 feet branched.

(Each \$4.49).

WEIR'S CUT-LEAVED MAPLE (AB). One of the best cut or dissected leaved trees. Hardy and grows rapidly. 5 to 6 foot trees.

(Each \$3.19).

POPLAR

CAROLINA (Norway Variety). Slightly erect habit of growth but makes good shade tree. Hardy, fast grower. 6 to 8 feet.

(Each \$1.49) (3 for \$3.90).

OAK

RED (Quercus Rubra) (AB). A hardy oak with beautiful foliage which turns to red in autumn. Unsurpassed for park or street planting. Best to water well in fall. 6 to 8 feet. Branched.

(Each \$4.79).

FOR SHADE AND BEAUTY

RED BUD

CERCIS CANADENSIS. Grows 20 to 30 feet. Produces a wealth of reddish-pink flowers in early spring. Forms a broad head of glossy, heart-shaped leaves that turn pale yellow in the fall. 3 to 4 foot size: (Each \$1.89) (3 for \$4.95).

Add postage and packing, each 17c, 3 for 25c.

RUSSIAN OLIVE

ELAEOAGNUS AUGUSTIFOLIA (AB). A very hardy and handsome tree, growing 8 to 12 feet high. The leaves are particularly handsome, willow-like and a rich silvery white. The flowers are small, golden yellow and very fragrant, followed by silvery fruits. Also used as shrub.

18 to 24 inches, hedging size: (\$8.95 per 100) (50 at 100 rate) (10 for 90c). Add postage and packing, per 10, 17c; per 100, 30c.

4 to 5 ft. size. (Each \$1.55) (3 for \$4.35).

WILLOWS

PUSSY WILLOW. A small tree with upright branches. Catkins very numerous, handsome in flower; greatly esteemed by reason of extreme earliness. 4 to 5 feet.

(Each \$1.29) (3 for \$3.49).

Add postage and packing: (Each 17c) (3 for 25c).

WEeping DECIDUOUS TREES

CUT-LEAVED WEEPING BIRCH (B). One of the most elegant of all weeping trees. Its tall, slender, yet vigorous growth, with graceful drooping habit, silvery white bark and delicate cut-leaved foliage make it one of the most attractive trees. It is especially ornamental.

6 to 8 ft. (Each \$4.90).

WEEPING WILLOW (Niobe) (B). A handsome tree, slender leaves, green above, silver beneath. The twigs and bark tinged dark red. 6 to 8 feet. (Each \$2.19) (3 for \$5.95).

FLOWERING TREES

CHERRY

JAPANESE FLOWERING (Kwanzan). One of the better and more hardy of the Japanese Flowering Cherries. Trees grow 15 to 18 feet. Covered in late spring with beautiful dark pink, double blossoms. 4 to 5 foot trees. (Each \$4.19). Add postage and packing, each 25c.

CRAB (Flowering Malus)

BECHTEL'S (Double) (T). Makes a well formed medium sized tree, perfectly hardy. Beautiful double, delicate pink blooms. Fragrant. 4 to 5 feet. (Each \$2.89). Add postage and packing, each 25c.

FLORIBUNDA (Japanese Flowering). Foliage, green with lacy effect. Branches grow with horizontal habit and bushy. Buds pink. Early flowers of rosy white followed by small yellow fruit. Ultimate height 25 feet.

4 to 5 feet size: (Each \$2.19) (3 for \$5.90). Add postage and packing, each 21c; 3 for 35c.

HOPA. (Red Flowering Crab) (T). Of upright growth and very attractive foliage. It grows a little taller than the Bechtel's. Covered with cerise red

colored flowers during April. Edible fruit, red inside and out and very good for making jellies. If not picked fruit will hang on until late autumn. Very hardy and free from disease.

5 to 6 feet size: (Each \$2.19) (3 for \$5.90).

HAWTHORN

PAUL'S SCARLET THORN. (Oxyacantha Pauli) A variety of English Hawthorn that is hardy for our western climate. Grows 12 to 15 feet tall, erect and well foliated. When established will produce a mass of beautiful, round, bright scarlet double flowers in June, followed by small seed pods.

4 to 5 feet size. (Each \$3.19).

Add postage and packing: (Each 21c).

FLOWERING SHRUBS

FLOWERING ALMOND (M). A small spring flowering tree or shrub; blooming very gaily before the leaves appear. Their growth is dwarf, bushy and compact. Slender branches completely hidden by beautiful double flowers when in bloom. Pink only. 3 to 4 feet.

(Each \$1.39) (3 for \$3.90).

Add postage and packing: (Each 20c) (3 for 27c).

FLOWERING QUINCE

CYDONIA JAPONICA. Very ornamental in early spring, as its bright scarlet flowers completely cover the branches before the leaves are formed. Sometimes used for hedging. 2 to 3 feet.

(Each \$1.09) (3 for \$2.95).

Add postage and packing: (Each 21c) (3 for 27c).

CORAL SEA. A new named variety of Cydonia, but grafted to produce beautiful salmon colored flowers. Recommended for general planting and for early flowerers.

STANFORD RED. Same as above, except the flowers are a good red.

Either of the above: (Each \$1.79). Add postage and packing, each 17c.

PRUNUS (Ornamental Plums)

CISTENA (M). A small treelike shrub. The young branches are a dark purple and the leaves a lustrous crimson changing to a dark purple. Dwarf habit of growth. 2 to 3 feet.

TRILOBA. A hardy shrub or small tree growing 8 to 10 feet, that will do well in most any territory. Double pink flowers in May before leaves appear. Attractive green foliage, turning red in fall. 3 to 4 feet.

Either Cistena or Triloba: (Each \$2.19) (3 for \$5.90). Add postage and packing: (Each 21c) (3 for 27c).

PRUNUS NEWPORT. A large shrub, habits of growth like the Cistena, but growing larger. Bronze or reddish tipped leaves, well foliated. Does very well in most locations and very hardy. Fine specimen shrub or as a hedge. 2 to 3 feet size.

PRUNUS TOMENTOSA—Nanking Cherry. Grows 10 to 12 ft. Showy flowers and fruit of good flavor. Used for jams and jellies. Hardy. 3 to 4 feet.

Either Newport or Tomentosa: (Each \$1.59) (3 for \$4.45). Add postage and packing: (Each 21c) (3 for 27c).

ROSES

(Continued from Page 66)

PATENTED FLORIBUNDA ROSES

BETTY PRIOR. (Pat. No. 340.) Produces large fragrant clusters continuously throughout the season. Opens a bright red turning to shell pink. (Each \$1.50) (3 for \$1.30 each).

CHATTER. (Pat. No. 739.) Unusually bright crimson, generous flower clusters, continuously in bloom. Velvety firm petals. (Each \$1.50) (3 for \$1.30 each).

DONALD PRIOR. (Pat. No. 377.) Large, semi-double, bright scarlet flowers, flushed crimson. Fragrant. Free flowering. One of the best. (Each \$1.50) (3 at \$1.30 each).

FASHION. (Pat. No. 789.) Brilliant, luminous, coral flowers overlaid with gold; opening with wavy, graceful petals. All season blooms in large clusters. (Each \$2.00) (3 at \$1.75 each).

PINOCCHIO. (Pat. No. 484.) A hardy plant producing many pointed buds of salmon-flushed gold, opening to a mass of miniature hybrid tea like roses of soft, clear pink and in large clusters. (Each \$1.50) (3 at \$1.30 each).

RED PINOCCHIO. (Pat. No. 812.) Masses of 3½ inch flowers in clusters. Rich carmine, gradually deepens as blooms open. Does not fade. Wild

rose fragrance. Vigorous, prolific bloomer. (Each \$1.50) (3 for \$3.90).

SNOWBANK. (Pl. Pat. No. 279.) A floribunda with white flowers on heavily branched plants. Heavy bloomer. (Each \$1.50) (3 at \$1.30 each).

VOGUE. (Pat. No. 926.) New Floribunda with Hybrid Tea shaped flowers of perfect form, three to four inches in diameter. Dark cherry ovoid buds opening to cherry-coral open flower. Spicy fragrance. (Each \$2.25) (3 at \$2.00 each).

WORLD'S FAIR. (Pat. No. 362.) Produces large clusters of velvety blooms of fragrant blackish-scarlet with glowing mass of golden stamens. (Each \$1.50) (3 at \$1.30 each.)

POLYANTHA

EUTIN. Bud pointed-globular, cupped flower glowing carmine red. Clusters up to 100 blooms on strong stems. Large foliage, vigorous grower. (Each \$1.25) (3 for \$3.50). Add postage and packing: (Each 17c) (3 for 23c).

IMPROVED LAFAYETTE. Deep glowing red, large blooms suffused with vivid crimson. Bushy vigorous grower. (Each \$1.25) (3 for \$3.50). Add postage and packing: (Each 17c) (3 for 23c).

APPLES

We are listing only the varieties that have proven a success in the West, and we know that with the proper care and attention that is due to any tree, a crop of fruit will result from any one of the many we have listed.

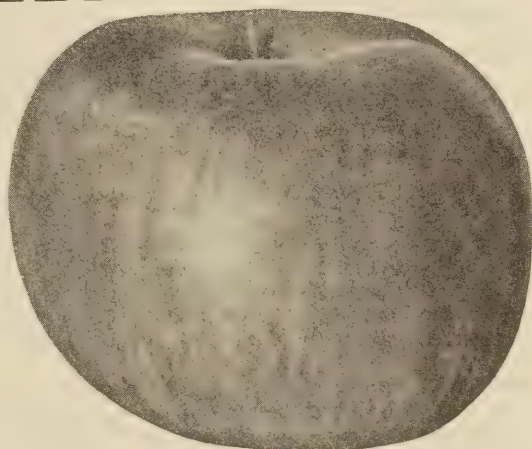
Directions—As soon as you receive your shipment remove the packing, sprinkle the roots and heel the bundle in moist ground. In planting, take out only a few trees or shrubs at a time and never allow them to lie exposed to the air and sun at any time. Dig the hole large enough to admit all the roots in the natural position, keeping the surface and the subsoil separate. In filling in, sift the best soil in around the roots. When most of the soil is filled in, pour in the water to wash the soil around the roots, then pile up the remainder and tread down gently with the foot. After this the tree or shrubs should have a good watering at least once a week. A mulch around the base of the tree, two or three inches thick is very beneficial.

QUINTUPLET APPLE TREES

Quintuplet trees, as the name implies, are apple stocks that have been grafted with 5 or more varieties of apples on the same tree. They are satisfactory for the people having a limited space for trees and wanting more than one kind of apple. You will find them as hardy as the types with a single graft of the same name. They are grafted on Whitney Crabapple stock with grafts of Yellow Transparent, Red Delicious, Red Jonathan, Wealthy, Crimson Winesap and Yellow Delicious. We are unable to tell which of the types will be on each tree, but each tree will have 5 varieties from the above list.

4 to 4½ foot size; (Each \$2.59).

Add postage and packing: (Each 21c).



WEALTHY

SUMMER APPLES

↘ **EARLY HARVEST.** Medium to large; pale yellow, white fleshed, tender and sub-acid; ripens early during the summer. Very productive.

↘ **EARLY MCINTOSH.** A new early variety that does well in this area, a cross between Yellow Transparent and McIntosh. A crop of medium red fruit very similar to McIntosh in early August.

↘ **RED JUNE.** Early, small to medium sized. Hardy, good cooking and eating apple. Red, white flesh, juicy, subacid.

↘ **YELLOW TRANSPARENT.** Early to ripen; pale yellow when fully ripe, of medium size, tender and good; free-growing and fruitful. Bears in July.

See next page for more varieties and PRICES

APPLES, PLUMS

(Continued)

AUTUMN APPLES

➤ **WEALTHY.** The most popular early variety known; heavy producer of medium size red apples. One of the finest early eating or cooking varieties; everyone should plant Wealthy apples.

WINTER APPLES

➤ **DELICIOUS, RED.** A most wonderful apple of unusually fine flavor; originated in our western country. The fruit is large, of a brilliant dark red color; juicy, crisp and melting. Heavy cropper.

➤ **JONATHAN.** The old standby—heavy producer, brilliant red, sweet and juicy; excellent keeper.

➤ **MCINTOSH BLACK MICKY.** An old reliable that does well in our western climate. Good keeper, large and hardy.

➤ **NORTHERN SPY, RED.** A large, hardy variety and a good keeper. Also a good commercial apple as well as for home use. Makes good shade tree.

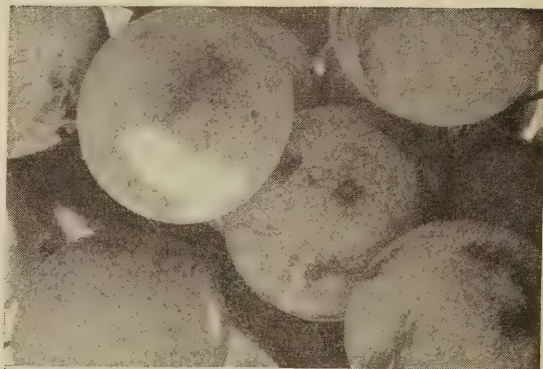
➤ **ROME BEAUTY.** Extra large; yellow with crimson cheek; juicy, bears heavily.

➤ **STAYMAN WINESAP.** Larger and more prolific than the old Winesap. Rich, dark red; fine grained and juicy. Well adapted to our western soils and climate.

CRAB APPLES

➤ **DOLGO.** A very hardy and desirable crab apple. Trees bushy, 12 to 14 feet tall, almost free from disease. Bears an abundance of large, fiery, all red fruit, excellent for making jelly. Also, a very satisfactory ornamental tree.

➤ **WHITNEY.** An old favorite. Larger than most crab-apples. Not as tart as desired by some, but a good all purpose fruit. Some users like it as an eating apple.



WANETA PLUM PLUMS

The plum may not be so important as some other fruits, but it is gaining in popularity every year and has been planted extensively the past few years. As it is a native fruit it grows easily and is a great bearer and should have a place in every orchard.

➤ **BLUE DAMSON.** An old favorite and well known. Fine for preserves. Hardy, heavy bearer. Free stone.

➤ **ITALIAN PRUNE.** Very well known and widely planted. Oblong shape, almost black skin and yellowish-green flesh. Freestone.

➤ **LOMBARD.** Medium size, red plum. Good sweet flavor for table use or canning. Bears soon after planting.

➤ **STANLEY PRUNE.** A dark blue-skin, green fleshed prune. Sweet and delightful flavor. Flesh turns to reddish tint when ripe. Good canner.

➤ **SUPERIOR.** Large, red fruit and very hardy. Has been tried and proven very successful in Colorado. A good plum for both canning and eating fresh.

➤ **UNDERWOOD.** Large red fruit, very small pit, hardy and fine flavor. Ripening latter part of July. Freestone.

➤ **WANETA.** This wonderful large plum of Professor Hansen's production is the most delicious of all plums. It is hardy and very prolific, fruit of largest size, deep red color and a delicious flavor.

*On native roots.

PRICES, APPLES AND PLUMS, ALL VARIETIES

APPLES

Size, 4 ft., 9/16 in. caliper:

1 tree	\$.79	\$.19
3 trees	2.10	.30

Size, 11/16 in. caliper and up,

MAILABLE:

1 tree	\$1.10	\$.21
3 trees	2.95	.35

Add postage
and packing.

PLUMS

Size, 11/16 in. caliper,

MAILABLE:

1 tree	\$1.79	\$.21
3 trees	4.90	.35

Add postage
and packing.

MAILING INFORMATION

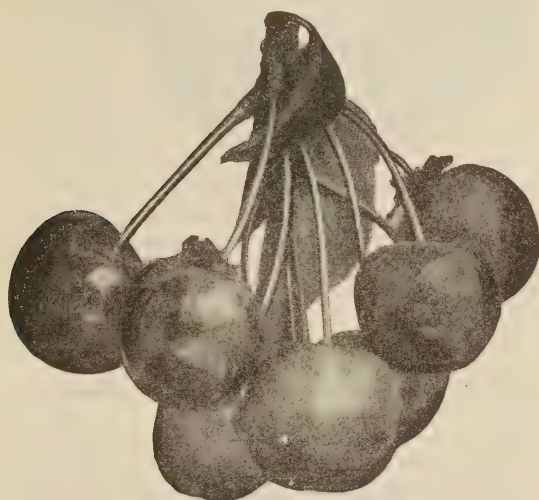
Due to postal regulations governing the size of parcel post packages, the 11/16 size fruit trees are mailable in small lots only and by pruning the tops back. We can usually prune and pack up to nine trees per bundle at the rates listed. Larger orders will be packed in two or more bales, if ordered sent by parcel post.

FRUITS—FOR HOME OR ORCHARD

APRICOT

CHINESE APRICOT. Best general purpose apricot. Well colored and ripens from outside in. Medium size, round, with red blush when ripe. Used extensively on Western Slope of Colorado and in Utah.

MANCHU. Hardy, good grower and well foliaged. Slightly smaller than Chinese apricot. Ripens with red blush, good eating fruit.
11/16 size in either of above varieties: (Each \$1.95) (3 for \$5.70).
Add postage and packing: (Each 19c) (3 for 35c). See page 73 for mailing instructions.



EARLY RICHMOND

CHERRIES

More satisfaction can be had from Cherry trees than any other trees. They are a beautiful sight from blossom to fruit and very seldom fail to produce; every farm, garden or ranch should have cherries. They do not demand much attention

SOUR CHERRIES

EARLY RICHMOND (Pie Cherry). A reliable old standard, with bright red fruit of medium size, very productive.

PRICES OF SOUR CHERRIES ALL VARIETIES

		Add postage and packing
Size, 3 to 4 ft., 7/16 in. caliper:		
1 tree	\$1.49	\$.17
3 trees	4.35	.30
Size, 11/16 in. caliper and up.		
MAILABLE—See page 73.		
1 tree	\$1.95	\$.21
3 trees	5.70	.35

ENGLISH MORELLO. Large, dark red, nearly black; tender, juicy and rich. Tree is dwarf midseason.

LARGE MONTMORENCY. Larger and finer than the Richmond and one of the finest flavored cherries in this class; valuable for canning and preserving.

SWEET CHERRIES

In planting sweet cherries, one Black Tartarian should be planted to every four or five of other varieties of sweet cherries as the former acts as pollenizer for the latter, and they will not bear without the help of the Black Tartarian. All of the sweet cherries we list have the same blossoming period.

BLACK TARTARIAN. Very large, black; sweet and juicy. Bears in July.

BING. One of the largest of the sweet cherries. Deep dark red. Flesh firm and juicy. Tree is a strong grower and producer. July bearer.

LAMBERT. Large dark red, wonderful flavor. Bears later than either of above varieties.

PRICES OF SWEET CHERRIES ALL VARIETIES

Add postage
and packing

See page 73 for mailing.

Size, 11/16 in. caliper and up.

1 tree	\$2.20	\$.19
3 trees	5.90	.29

HANSEN'S BUSH CHERRY. A very useful as well as ornamental shrub. A mass of white flowers in the early spring, followed by fruits, cherry-flavored but plum shaped. Foliage quite decorative in the fall, turning to red and bronze. 3 to 4 feet (Each 85c) (3 for \$2.40).

Add postage and packing: (Each 17c) (3 for 25c).

PEACHES

ELBERTA. Large, juicy freestone peach that adapts itself to various soils. Fine flavor and a good one for canning. Ripens about mid-September.

HALEHAVEN. Hardy. Large dark yellow fruit with red meat. Ripens evenly with distinctive red blush. Wonderful as a canner.

POLLY. Hardy, white meat, yellow skin. Freestone and an early bearer.

J. H. HALE. Yellow skin, overlaid with carmine. Freestone, good flavor and midseason bearer.

PRICES ON PEACHES

Mailable only by severe pruning

Choice of varieties, 11/16 size: (Each \$1.59) (3 for \$4.20).

If shipment by mail is desired, add 19c per tree for packing and postage and 35c per 3 trees. See page 73.

SMALL FRUITS AND BERRIES

PEARS

DWARF BARTLETT. Same good fruit as the regular Bartlett but of dwarf growth, attaining a height of only 10 to 12 feet at maturity.

$\frac{5}{8}$ in. caliper, about 4 ft. trees: (Each \$2.19).
Postage: (Each 21c).

BARTLETT. Large, buttery, juicy, high flavored; bears early and abundantly.

FLEMISH BEAUTY. Large, red cheeked and beautiful, of excellent quality, hardy and productive. Very popular in the West. Ripens September and October.



BARTLETT PEAR

PRICES OF PEARS

EXCEPT DWARF TYPE		Add
Size, 3 to 4 ft., 7/16 in. caliper		Postage and Packing
1 tree	\$1.19	\$.21
3 trees	2.95	.30

Size, 11/16 in. caliper and up.

MAILABLE—See page 73:

1 tree	\$1.69	.21
3 trees	4.80	.35

GOOSEBERRY PRICES

	Each	10	25
Houghton	\$.39	\$3.70	\$8.90
Downing	.49	4.25	9.95
Add postage and packing	.17	.25	.35

MULBERRY

RUSSIAN MULBERRY (*Morus Tartarica*). Very hardy type, makes good shade. Hard wood, not susceptible to insects or worms, growing 25 to 30 feet. Edible fruit to two inches long, red, white or black. Thrives in a dry sunny location. For orchard purpose plant 25 to 30 feet apart. If used for hedge or screen plant from 8 to 20 feet apart. 5 to 6 feet.

(Each \$1.49) (3 for \$4.20). (Mailable but see page 73). Add postage and packing: (Each 21c) (3 for 35c).

GOOSEBERRIES

(2-year, No. 1)

The Gooseberry differs little from the Currant in its requirements as to soil and general care. The plant is hardy, a vigorous grower, and free from mildew in our climate.

DOWNING. Large pale green berry. Midseason bearer. Strong, robust plants and very hardy.

HOUGHTON. An enormously productive and always reliable old sort. Of vigorous yet rather slender, spreading growth, not subject to mildew. Fruits of medium size, smooth, dark red, tender and good.

CURRANTS

(2-year, No. 1)

The Currant is an indispensable garden fruit for the table and is a money-maker as well. It grows and bears easily in any kind of soil with very little care, but if properly cared for it will bring greater returns in money.

CHERRY. Medium size berries on short clusters; a robust, faithful sort.

FAY'S PROLIFIC. As its name implies this variety is very productive, bunches and berries being very large. Excellent quality and easily picked. Very hardy.

PERFECTION. Beautiful bright red fruit, larger than Fay, holding its size to end of branch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation.

WILDER. One of the strongest and most productive. Bunch and berries very large, attractive dark red color, and even when dead ripe, they hang on bushes in fine condition for handling until very late. A valuable market variety.

CURRANT PRICES

	Each	10	25
All Varieties	\$.39	\$3.70	\$8.90
Add postage and packing	.17	.25	.35

SMALL FRUIT PLANTS

Small fruits are very profitable for the home and market. They are all of delicious flavor and can be used for the table in many ways. Their canes should be protected during winter by covering with dirt or straw.

BOYSENBERRY

✓ **REGULAR BOYSENBERRY.** The BOYSENBERRY is a new variety produced by crossing blackberries, raspberries and loganberries. Seeds are few and soft. From our past experience with this berry we find it to be very hardy and a vigorous grower, but should be protected by a covering of straw, leaves or dirt during the winter in northern climates. The fruiting season lasts longer than the other vine berries and they will bear heavily the second year. Should be planted about six feet apart.

✓ **ST. REGIS.** Good hardy everbearing raspberry. Medium size red berry. Vigorous, rapid grower. Winters well in Colorado.

DEWBERRIES

✓ **LUCRETIA.** In size and quality this low growing or trailing blackberry equals any of the upright sorts. Its berries ripen before raspberries are gone, are large, sweet, soft and luscious throughout, with no hard core. The vine is perfectly hardy, healthy and exceedingly fruitful, with large, showy blossoms. May be grown over walls, trellises or rocky slopes, where there is no room for other berries.

BLACK RASPBERRY PLANTS

✓ **CUMBERLAND.** It is of wonderful productiveness; producing regularly and uniformly very large crops. In size the fruit is large, far surpassing any other variety. Few seeds, fine flavor.

✓ **LOGAN.** Black tips. A fine new variety. Fruits are large, jet black, tasty and sweet. Matures a few days before Cumberland. Hardy, drought resistant plants.

BLACKBERRIES

✓ **ALFRED.** A new variety which is very hardy and a heavy bearer. Berries are large, up to 1½ inches long, almost coreless and a wonderful flavor. Will stand below zero weather. Ripens about a week earlier than Eldorado.

✓ **ELDORADO.** Of late introduction, being vigorous and hardy in most localities. The berries are large, coal black, flavor sweet and melting and have no hard core. Very firm and therefore an excellent market variety.

RED RASPBERRY PLANTS

✓ **LATHAM.** This berry is the leading berry wherever raspberries can be grown. High quality, large, hardy, better shipper than many other varieties. Good color. On account of its good qualities, it is now planted more extensively than any other red raspberry.

✓ **CHIEF.** A bright red "no crumbling," good shipper, and of delicious taste. Supplements Latham by ripening ten days earlier. A new Minnesota product.

EVERBEARING RASPBERRY PLANTS

✓ **INDIAN SUMMER.** A superior type of raspberry that bears a beautiful red fruit of wonderful flavor. More prolific and a larger berry. Canes are large and grow rapidly, bearing early and throughout the summer.

PRICES ON BLACKBERRIES AND DEWBERRIES

Quantity	5	10	25
All Varieties	\$.69	\$1.29	\$2.95
Add postage and packing .....	.17	.21	.27

PRICES ON RASPBERRY AND BOYSENBERRY PLANTS

Quantity	5	10	25
All Varieties	\$.95	\$1.69	\$3.75
Add postage and packing .....	.17	.21	.27



LOGAN BLACK TIPS

STRAWBERRIES

CULTURE: A good many people overlook the Strawberry, thinking the plants demand too much care, but this is not true. Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. For field culture set in rows three feet apart, 18 inches in rows; for garden, 15 inches each way, leaving pathway every third row. The ground should always be kept clean and well cultivated. In winter, a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until the ground is frozen, or so deep as to smother plants, and remove covering before growth starts in the spring. It is best to change the location of the bed about every three years and do not fertilize heavily as it tends to produce foliage instead of fruit.

EVERBEARING STRAWBERRIES

Everbearing plants bear the same year they are started, but if a large amount of late berries are desired, it is better to pinch the blossoms during May and June, which causes the heaviest crop to come on during September and October.

ALPINE STRAWBERRY PLANTS. A new everbearing strain producing an abundance of dark red, elongated berries of unusual flavor, half as large as commercial varieties, easily picked. Plants produced from seed only, make no runners, very effective in borders or beds. See seed on page 55. Plants: 10 for \$1.20; 50 for \$4.95. Postage and packing: Per 10 10c; per 50 25c.

20TH CENTURY EVERBEARING. The best everbearing. After 2 years in our own trial grounds we found it remarkable, both in size and yield. Produces an abundance of large dark crimson berries of excellent flavor.

Plants set out in late April will start bearing in August and continue until freezing weather.

MINNESOTA 1166. An excellent variety, abundant yielder. Berries large, dark red to the center. Excellent quality, bears early, continues until late in the fall.

In setting strawberry plants, place them on the upper side of a ditch and as near the same depth as they were growing before being taken up for transplanting. Be sure not to bury the crown and also not to plant with the crown exposed.

STREAMLINER. A newer variety that has proven its worth in Colorado the past two or three years. Berries are of uniform size, large, conical shaped and glossy red. The delicious, sweet flavor requires a minimum of sugar. Wonderful berry for canning or quick freezing. Bears from July to freezing weather.

GEM. Has a very good flavor, dark red and firm. Fruits are large, tender and juicy. Very prolific in the production of plants which have dark green foliage. Hardy and a good commercial as well as a good home garden berry.

STRAWBERRY PRICES

	Not Postpaid			
	25 Plants	100 Plants	500 Plants	1000 Plants
Gem	\$.60	\$2.20	\$ 9.90	\$18.00
Streamliner .....	.60	2.20	9.90	18.00
Minnesota 1166 .....	.65	2.35	10.90	19.90
20th Century Everbearing	1.25	4.50	18.00	34.00
Include postage and packing .....	.17	.21	.45	.90

HARDY GRAPE VINES

Everyone should plant Grapes in the home garden. Grapes are easy to grow and do well in any ordinary soil. They can be trained over frames, trellises or doorways and are ornamental as well as practical. Make your own grape juice, jam or jelly.

All grapes listed are 2 year No. 1 quality.

BETA. It is a cross between tame and wild. Hardy, prolific and fine for cooking and jelly. Color similar to Concord.

CACO. Hardy in Colorado. Fine for table use. Red skinned and sweet. Large compact bunches.

CONCORD (Black). The fine old market leader, with large, handsome clusters of big, luscious grapes. Entirely hardy, productive and reliable; succeeds well over a great extent of country.

FREDONIA. Bears a little earlier than Concord.

Large bunches of blue-black fruit that cannot be excelled for canning of all sorts. Very well recommended by growers as a hardy and good producer in Colorado.

PORTLAND. A white grape that is hardy and of very good flavor. Large bunches and berries. Skin medium, few seeds and a heavy producer. One of the best whites.

PRICES ON GRAPE VINES

	Add Postage and Packing			
	Each	10	25	50
Concord	\$.29	\$2.59	\$5.75	\$10.50
Caco and Portland .....	.39	3.80	7.95	15.50
Other Varieties....	.35	3.15	6.95	13.10
Include postage and packing....	.08	.24	.39	.69

SEED SPRING WHEAT

THATCHER WHEAT. A new beardless, hard red spring wheat that yields at the Fort Collins Station about the same as Komar. It is adapted to irrigated conditions only and may replace Komar in this area. It is rust resistant.

MARQUIS WHEAT is the standard, hard, red, spring wheat for irrigated sections of the West. It is early maturing and high yielding. It is beardless, short, stiff-strawed.

REWARD WHEAT is a very new, high yielding, beardless, hard, red spring wheat for the dry-lands and non-irrigated areas. It has proven satisfactory under irrigated conditions where the water supply is limited. It shows promising for milling and baking.

SEED BARLEY

BALD or NEPAL BARLEY. An early variety that withstands drought remarkably well and oftentimes surviving when wheat fails. It has no beard and shells off its hulls the same as wheat. A very desirable crop for green feed or hay or for grain.

LICO BARLEY is a smooth awned (without barbs on beards), six-rowed, hulled barley. It has less flinty kernels and is earlier and stiffer strawed than Trebi. Adapted to irrigated conditions.

TREBI. Six-row, bearded, hulled barley with large, bluish kernels, and comparatively weak straw. The standard for irrigated sections of the state.

BEECHER BARLEY is a new semi-smooth awned barley adapted to dry land. It is stiff strawed. Has a high bushel weight and outyielded Club Marloutt. It has replaced the older Flynn Production.

CLUB MARIOUT BARLEY. A six-row, rough awned, hulled, early barley; particularly adapted to eastern Colorado non-irrigated plains section. Will yield one-third more than Trebi in its region of adaptation, and 70 per cent of Trebi under irrigation. Could be used to advantage on irrigated land with early water where only one irrigation is available.

SPARTAN BARLEY. A two-rowed, smooth awned variety for dry lands. Inclined to shatter under combine conditions but has good bushel weight. It is a worthwhile kind for dry places.

SEED RYE

SPRING RYE is an excellent soiler and can be produced on poor, worn out land under dry conditions where other grains would fail. It is useful as a cleaning crop for the purpose of eradicating wild oats. Makes early pasture and may be cut and cured for hay. When sown with vetch its value for pasture and hay is greatly enhanced.

WINTER or FALL RYE serves a very useful purpose for pasture and hay. May be sown in spring and summer as well as fall. When Winter Rye is sown after frost it goes into the following season before maturing, making it a biennial.

SEED OATS

BLISS SIDE OAT is a white side oat adapted to irrigated land. This variety is noted for its abundant yield of oat hay in the mountain areas.

BRUNKER OATS are well adapted to dry land, being early maturing, smut and drought resisting. They are a red oat and were developed by the Akron Experiment Station. This variety suggested in place of Texas Red Rust Proof. It is the leading dry land oat.

FULTON OATS, generally known as a red oat, but the kernel is not as red as Kanota which it replaces. It is smut resistant, stiff strawed and early enough for mountain planting.

BANNOCK OATS is a plump, smut-resistant, white, midseason variety that has produced higher yields than any other irrigated variety in Colorado. It is a little earlier than Colorado 37 and the straw is finer but stiff. A limited amount of registered seed is available this year.

COLORADO NO. 37 OATS. This oat is well adapted for irrigated areas of Colorado. It is a midseason white oat. It is characterized by its high yield; its straw and awnless kernels.

VICLAND and VICTORY OATS. Similar to Colorado No. 37.

MARKTON OATS. A medium sized white variety, smut resistant, that does well under irrigation in warm or hot localities.

PRICES

Prices will be given on request on Farmers and Ranchers Price List.



ROSEN and PETKUS have been the prominent varieties of Fall Rye.

BALBOA is an improved variety, producing grain and pasture in abundance. It is claimed that milk from cows pastured on Balboa Rye will not be tainted.

CLEANED
TESTED



ALFALFA

FIELD
SEEDS

Alfalfa is more nearly a perfect forage crop than any other crop grown in this country. No other forage crop cultivated in the United States is utilized more successfully in so many ways as alfalfa (*Medicago Sativa*). The translation of the name, which is of Arabic origin means "the best fodder." Sow in spring and fall in firm seed bed at the rate of 15 to 20 pounds per acre.

REGISTERED ALFALFA

The following varieties of alfalfa seed are registered when produced under State supervision. The supply of seed of some varieties is short and seed of some is not yet produced in commercial quantities. The registered varieties have been selected and registered on account of their hardiness.

GRIMM ALFALFA. This variety is probably the earliest and best known of the pedigreed varieties. Introduced to Minnesota years ago by Wendelin Grimm. It has proven ability to withstand drouth and winter-killing and these fine qualities have been increased by continuous selection. It is a worthy variety for the inter-mountain area.

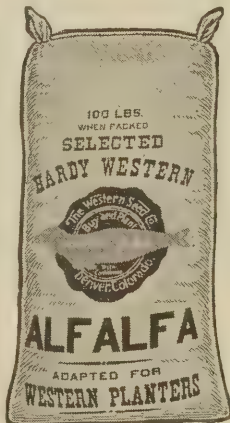
BALTIC ALFALFA. Seed of this hardy variety, grown in Colorado, is known as Colorado Baltic and Meeker Baltic. Introduced from Europe and propagated at Baltic, South Dakota for a period of years, afterwards brought to Meeker, Colorado, where it has consistently withstood drouth and extreme cold for many years. It produces high yields of forage.

COSSACK ALFALFA was introduced by the United States Department of Agriculture into this country in 1907, from Russia. Cossack is another hardy variety with long-lived stands.

LADAK ALFALFA. Shows promise of resistance to wilt. It is hardy and produces a heavy first cutting, recovers slowly after cutting, but again makes rapid growth. Ladak is recommended for short season areas where two cuttings would be maximum and where water for irrigation is short.

BUFFALO ALFALFA. The main advantage is its resistance to bacterial wilt. It yields about the same as other adapted varieties in new stands but out-yields those varieties when stands grow old.

RANGER ALFALFA. Is a synthetic variety developed by compositing five strains. The origin of the strains was inbred lines subsequently outcrossed among other selected lines from Cossack, Turkestan, and Ladak varieties. Ranger was developed cooperatively by the Nebraska Experiment Station and the Division of Forage Crops and Diseases, U. S. D. A. It is resistant to bacterial wilt, is winter hardy and has variegated flower color with a limited number of yellow colored flowers. Ranger Syn 1 and Syn 2 have yielded well in tests in Colorado.



HARDISTAN is a U.S.D.A. development that is wilt-resistant. Meeker Baltic will outyield it. Sets seed sparsely and seed is not yet produced in commercial amounts.

STAFFORD ALFALFA — Introduced about 1931 by Clarence Stafford in the sagebrush hills along the Nebraska-Colorado line. Is claimed to be an outstanding dryland variety for sand-hill conditions.

COMMON ALFALFA

is the name applied to the purple flowered, smooth strains of alfalfa. We are usually able to supply such seed grown from Colorado, Utah, Wyoming, Montana and New Mexico; from northern latitudes, high elevations and dry lands.

As a safeguard to buyers, we have adopted certain grade standards that have been scrupulously maintained for so long, they are now generally recognized as dependable. Gold Seal and Gold Bee grades of Alfalfa seed are packed in branded bags. All seed is tested for purity and germination and tag showing the analysis is attached to each bag.

GOLD SEAL GRADE. Alfalfa seed 99.25 or better pure, good color, free of noxious weeds, is packed in 100-pound bags, branded with the Gold Seal emblem as illustrated above.

GOLD BEE GRADE. Alfalfa seed 98.50 or better, pure, not quite as bright or plump as the Gold Seal Grade, is packed in 100-pound bags, branded with the Gold Bee emblem as illustrated below. The seed has good value.

Alfalfa Seed of Southern Origins have served a place in short crop rotations producing usual hay tonnage during the short cropping term; introducing and adding Nitragin to the soil through the roots; supplying the all necessary vegetable humus when plowed under. Seed from Arizona and Southern New Mexico has proven just as satisfactory as Argentine Alfalfa Seed in the low-priced field.

INOCULATE ALFALFA

Inoculation of Alfalfa Seed brings better stands or "catch," healthier and more tender plants. This makes greater soil improvements and increased yields of richer protein hay and forage. Use Nitragin inoculation. Page 96.

KNOWN ORIGIN

We keep a certificate of the locality where each lot of non-registered Alfalfa seed is grown.

Prices of Alfalfa seed will be given later on Farmers and Ranchers Price List at your request.



Clovers, being leguminous crops, are soil builders, and are very useful for the farm or ranch. They are used for mixtures of hay and pasture as well as sown alone.

YELLOW BLOSSOM SWEET CLOVER (*Melilotus officinalis*). Like White Blossom Sweet Clover this will grow on almost any kind of soil. It is semi-dwarf in habit, very drought-resistant, and is very desirable for forage, hay, and pasture. *Melilotus officinalis* is a biennial.

MADRID SWEET CLOVER is an improved variety of biennial Yellow Sweet Clover, has early seedling vigor, resists fall frosts, is slightly later in maturity and produces greater yields than the Common Yellow biennial. It is particularly adapted to the Great Plains and the Corn Belt. It contains less Coumarin which is the substance that prevents blood from clotting and causes cattle that have been fed Sweet Clover Hay to bleed to death. This danger would seem to be lessened by using Madrid Sweet Clover.

SWEET CLOVER. Mostly *Melilotus alba* which is also known as Bokhara Clover. It is a hardy biennial plant that will grow in all climates and with little regard to the character of the soil. Withstands extreme heat and cold, is quite drought-resistant, and will tolerate alkali. This Sweet Clover has value as a forage crop and hay crop and is very efficient as a soilage crop, and should be given consideration in crop rotations.

HUBAM SWEET CLOVER (*Melilotus alba annua*) is an annual white, resembling the biennial white in appearance but making no resting buds and producing seed the season of sowing. When a catch crop is wanted, especially when the field is to be fall-plowed, it is useful.

MEDIUM RED CLOVER (*Trifolium pratense*) is sown at rate of 15 pounds per acre and may be seeded any time from April to October. Makes good hay and pasture and is adapted for planting with numerous grasses when either hay or pasture is desired. 8 to 10 lbs. per acre.

LADINO CLOVER (*Trifolium repens latum*) is a giant white variety—a perennial of the creeping type and is not badly affected by freezing and thawing. It has good carrying capacity and is therefore desirable for pasture, doing well in mixtures with tall growing grasses. The seed is small and must be planted shallow in a firm seed bed and may be sown either in the spring or fall. The growing season seems to be nine months. It is not subject to alfalfa diseases and is considered hardy up to 5,280 feet. Four to six pounds per acre is generally sufficient.

SPECIALLY PREPARED BULLETINS on most of the clovers available on request.



MAMMOTH RED CLOVER

MAMMOTH RED CLOVER is especially valuable for light, sandy soil for fertilizing purposes. It grows more luxuriously than Medium Red in the same length of time but only affords one cutting. It does make excellent grazing and good hay if cut when young, but if left too long it then becomes thick and woody. Sow 8 to 10 pounds of seed to the acre.

STRAWBERRY CLOVER (*Trifolium fragiferum*) is a most important crop for converting seepy, alkaline soils into income-producing pasture. It is one of the pasturage plants for the conditions under which it thrives but is not a hay plant. It is a perennial and may be propagated from seed or by its creeping stems or runners. Grows very dense, spreads rapidly and tends to crowd out all other forms of vegetation. Strawberry Clover likes "wet feet." It has been found making good growth with most of the vegetative parts submerged in water. Rate of seeding varies from 2 to 6 pounds per acre.

SUBTERRANEAN CLOVER (*Trifolium subterranean*) is a prostrate, soft, woolly annual covered with fairly long soft hairs. The stalks turn downward and push the seed head below the surface of the soil. This characteristic makes this clover equivalent to a perennial. It grows well on both poor and rich soils and enriches soils by adding humus and nitrogen. It is very valuable as a soil cleaner, choking out many weeds. Subterranean Clover will not taint milk and is nutritious and palatable.

PRICES

Prices will be given on request on Farmers and Ranchers Price List.

The many varieties of Millets serve well for hay, forage, and growth crops. They afford a quick, luxuriant crop of hay of good feeding value without cultivation. On account of their quick luxuriant growth, they aid in checking weeds and are of value for this purpose on irrigated lands. As millets can be planted late in July, they are used extensively for emergency crops. As a smut preventive soak millet seed in formaldehyde solution for two hours, using one pint of formaldehyde to 45 gallons of water. Sow about 1/4 inch deep and in rows 12 to 16 inches apart.

HOG MILLET is the Proso or Common Millet of the old world. It is also known as Hershey, Broom Corn Millet, Manitoba and Dakota Millet. When forage or hay is desired the crop should be cut early. The seed has a slightly higher feeding value than oats and is used extensively in mixed feeds. Of the Hog Millets, Red Turghai, Early Fortune and Yellow Manitoba are the best adapted varieties.

BIG GERMAN MILLET has long heads crowded full with myriad seeds; small stems, luscious and highly palatable, clustered thick with fine narrow leaves. This is a very valuable variety for hay and forage, for general feeding, for milk production.

SIBERIAN or Red RUSSIAN MILLET is a very fine, early, extremely hardy, drought-resistant variety. Produces big. Forage is quite palatable. Seed has high feeding value.

WHITE WONDER MILLET is early and productive. Heads are from 8 to 18 inches long. The foliage is heavy; the leaves broad but the fodder cures readily. The seed contains a low percentage of fiber, is therefore very fattening and makes good feed.



WHITE WONDER MILLET

DWARF ESSEX RAPE is a forage plant of highest value. It can be sown in April for early crop and for fall crop in July, August, and September. It is used as a catch crop, also for summer pasture for hogs and cattle.

MISCELLANEOUS SEEDS

COLORADO STOCK or SAN LUIS VALLEY FIELD PEAS are valuable for their grain and straw. They provide good forage and hay and are valuable as a soilage crop. They are also excellent as a nurse crop for alfalfa. When sown for seed about 80 pounds per acre is necessary, but for hay may be sown at the rate of 100 pounds per acre and as late as July.

SAND, WINTER or HAIRY VETCH is a mighty fine crop to sow in the fall as soon as the crops have been harvested. It has also been sown in the spring. Vetch is a legume plant like alfalfa and peas. It produces hay of high protein value and is also a good soilage crop; also introduces nitrogen into the soil the same as alfalfa and clovers.

SOUTHERN BLACK-EYED PEAS resemble beans in shape, make a large vine growth and are an excellent soil improver. The peas make a most desirable and healthful table dish and are in great demand during the winter. They are also used green during the summer.

SUNFLOWERS are a good silage crop for dry land. They may be sown earlier than corn as light frosts do not injure. The silage is very palatable and has high feeding value. Plant close in drills 4 to 5 inches apart, and rows 30 to 42 inches apart. Cultivate and handle similar to corn. Five to six pounds per acre is sown.

FLAX may be grown with good success in the West. It matures quickly and may be planted as late as the middle of June and make a matured crop. Takes very little fertility and moisture from the soil and yields 10 to 20 bushels per acre. May be used with success as a nurse crop for clovers and grasses, and is the most desirable crop to follow on native sod.

PEANUTS can be successfully grown in almost any place where corn succeeds, but thrive best on light sandy soil. The vines are valuable feed for horses, cattle, and sheep. One acre will produce from 1 to 8 tons of vines. We will be able to supply improved Large Virginias and also Spanish varieties.

Prices: (lge. pkg. 10c) (1 lb. 40c) (5 lbs. \$1.75) not prepaid.

SEED TREATING

It is a generally accepted practice to treat or disinfect seeds before planting. The cost is low; the process simple, and results amazing. Treatment for all different varieties of seeds and legumes can be found under the well known brands of DuPont, Nitragin, Ortho and others in this catalog.

PRICES

Prices will be given on request on Farmers and Ranchers Price List.

Sorghums have proven that they "can take it." They adapt themselves to sandy soils and are drought and grasshopper resistant. Their principal use is for fodder, but they are also grown for grain and seed.

Plant 4 to 6 pounds per acre on dry land and 8 pounds on irrigated land; when drilled or broadcast, 50 to 60 pounds are required. The most successful practice for the production of sorghums on dry land is fall listing followed by light harrowing in the spring before the planting date to control weeds. Plantings should be made in the old lister furrows. Planting should be delayed until the soil is warm enough to insure good germination. In general, sorghums should be planted during the latter part of May or early in June, which is about a week later than the normal time for planting corn. The germination of sorghums is commonly not high and no untested seed should be planted. Sorghum seeds are particularly susceptible to destruction by soil organisms known as fungi. An excellent insurance against poor stands from this cause is to treat the seed with a mercury dust compound which will also control smut. For information see page 86. The stalks of sweet sorghums contain sweet juices, are very leafy and are generally grown for hay and fodder. The stalks of the grain sorghums are dry and pithy and they are grown for grain. They are non-saccharine.

SWEET SORGHUMS

ATLAS SORGO is a large, long-season forage sorghum developed at the Hays, Kansas, Experiment Station. It is quite drought resistant and produces big yields under favorable conditions. Being very leafy, it is used to a considerable extent for the production of silage in Kansas, eastern Colorado and Arkansas valley.

AMBER CANE, maturing in 80 to 100 days, is the favorite in many sections because it is the earliest. Usually slightly mixed black and red, or red and black.

IMPROVED COES SORGO is a white seeded, semi-sweet dual purpose crop. The five stemmed, leafy stalk and the seed are very palatable. Seed threshes free from the hull.

LEOTI RED CANE produces a semi-compact reddish head that droops slightly at the tip when ripe. The stalk is sweet, juicy and leafy. Matures at about the average fall frost date when planted June 1st to June 6th.

ORANGE CANE, maturing in 100 to 110 days, has higher sugar content and produces more fodder than black and red. There are two varieties in common use—Red Orange and Sourless Orange or African Millet.

RED TOP, SUMAC OR REDHEAD CANE, matures 115 to 125 days, and is very popular where good forage is required. It is very leafy, sweet and has high feeding value. Seed threshes free from the hull.

FREMONT CANE, a selection from Orange Sorgo, similar to Early Sumac. Matures about the same time as black amber.

TEXAS SEEDED RIBBON CANE, GOOSENECK, HONEY DRIP and SUGAR DRIP are large, leafy, sweet varieties producing good forage when the season is long enough for them to mature. Also used to some extent for sorgo 'lasses.

MIDLAND—A new late maturing sorghum suitable for Arkansas Valley and South. Midland is a dual purpose crop. Has a sweet stalk. Is dwarf and suitable for combining.

GRAIN SORGHUMS

BLACKHULL WHITE KAFIR, maturing 115 to 140 days, grows 5 to 6 feet tall. Stalks are dry, pithy and slightly acid, with 12 to 16 leaves. Grain is white and makes good poultry feed.

CHEYENNE SWEET STALK KAFIR is an early maturing white Kafir growing on a sweet stalk. It is a dual purpose crop providing good grain and palatable fodder.

HEGARI is a grain sorghum resembling Kafir and Atlas Sorgo. Grows 4 to 5 feet tall and matures in 120 days. Makes an excellent grain crop and fodder that is relished by stock. Seeds are chalky white. Stalks fairly sweet. Leaves broad, long and numerous.

HIGHLAND KAFIR is a white seeded dual purpose crop, producing grain of good feeding value and juicy, leafy, fine stemmed stalks with narrow leaves. It is similar to Improved Coes Sorgo, but produces a more sprangled head.

MILO MAIZE stalks are stout, pithy and scantily supplied with leaves. Milo make poor silage, but the grain has a high feeding value.

DWARF YELLOW MILO, BEAVER, SOONER, WHEATLAND, WESTLAND. These are all combine types and are the most popular, tested varieties.

SUDAN GRASS

This is an annual, non-saccharine sorghum. The straw is very palatable, and under favorable conditions, two cuttings of hay may be obtained. It can be pastured to good advantage. Plant as soon as the ground is warm or at any time during the summer so long as 70 to 80 days intervene before the first expected frost. Seeded in rows 36 to 42 inches apart, 2 to 3 pounds per acre are sufficient; in rows 18 to 24 inches, 4 to 6 pounds; when drilled or broadcast, 16 to 24 pounds. Usually we can obtain registered stocks of both the common variety and sweet variety of Sudan Grass seed.

SWEET SUDAN GRASS. A late development that is rapidly finding favor with feeders and stockmen for hay, forage, and pasture. It contains more Saccharine than the common type and therefore better feeding value. However, the same danger of Prussic Acid poisoning still exists.

PRICES

Prices will be given on request on Farmers and Ranchers Price List.

HYBRID CORN
IS TREATED
WITH ARASAN

Plant Hybrid Corn

TESTED
AND
TAGGED

The worth of Hybrid Corn has been proven to such an extent that hybrids are being planted in greater amounts each year and in many sections have supplanted and eclipsed the open-pollinated varieties. Hybrid corn produces larger yields of both grain and fodder. Their growth and maturity is uniform. They are resistant to lodging due to greater strength in both root and stalks. They are decidedly more resistant to smut and root, stalk and ear-rot diseases. No hybrids have been developed that are recommended for dry-land planting, yet hybrids with their immense root system do withstand extreme drought and intensive heat remarkably well. Hybrid corn is packed in branded bushel bags. Prices per bushel (Subject to change) f.o.b. Denver: Pride Hybrids, \$12.90; Gold Seal Hybrids, \$11.20.

PRIDE BRAND HYBRIDS



are closed formula productions developed by expert plant breeders and their value has been proven by several years of rigid tests in field trials. The entire production operation is rigidly supervised. Seed is processed, bagged and sealed by the breeder.

PRIDE B3—(80-89 day). This early yellow hybrid averages about 5 days earlier than the B17. It has ability to start fast in cold soil and hustles right through the season. It develops good sized ears at convenient height on strong shanks of medium length. Normal height 6½ to 7 feet.

PRIDE B17—(90-97 day). This all-yellow Hybrid Corn is 5 to 7 days earlier than Standard strains of Minnesota 13. It is recommended for the higher altitudes in northern Colorado and Wyoming and for late planting in more favored sections. Very uniform in appearance, stiff stalked with deep disease-resistant root system.

PRIDE B23—(93-97 day). Closely resembles B17, matures two days later. Starts and grows fast. Has dark, heavy foliage, stiff stalk, medium short shank, ears quite erect, deep roots. Normal plant height about 8 feet.

PRIDE B45-A (103-108 day). A new addition to the Pride Family. Into this hybrid has been bred a new Pride feature—"Fall-Filled." Its great golden ears swell into September dent. Its deep roots and sturdy stalks remain green and feeding until frost. After killing frost, the loose husks and small cobs permit rapid drying and safe early cribbing.

PRIDE D54—(107-111 day). This new hybrid replaces Tru-Krost Wis. 570. It is highly adapted to varying conditions of season, soil and moisture. The stalk and root system is very resistant to disease and drouth. Very few hybrids in its maturity class are equal in lodging resistance and stalk breakage. Ears are medium length and attached to the stalk at convenient height on strong, medium long shanks. The grain is unusually deep and closely packed on a small, fast drying cob and has good feed value.

PRIDE BRAND HYBRIDS

PRIDE D66—(112-116 day). This is an outstanding new full-season hybrid that is unusually fast starting in cold, wet soil. Has astonishing resistance to drouth, disease and lodging. Has a large, rugged root system and shows capability to withstand weather extremes. It has unusually wide adaptability. Ears are long on strong, medium length shanks mounted at uniform convenient height.

GOLD SEAL HYBRIDS

This corn is grown and processed for us by a Registered Colorado Pure Seed Grower from open hybrid formulas, and supervised by Colorado State authorities. Each bushel bag bears the official, registered blue tag.



COLORADO 125—(100 day). Colorado's earliest maturing hybrid corn. It is about seven days earlier than Minnesota 13, and is adapted for northern Colorado irrigated land, 5,000 feet elevation, with comparatively short corn growing season. Wisconsin 464 is a popular short season Colorado grown Hybrid very similar to Colorado 125. Order Wisconsin 464 instead of 125.

C-15—(107 day). This is truly a fine variety. It has an abundance of dark green leaves and a showy ear borne on a sturdy stalk. It is easy to pick. In 1948, C-15 was the highest yielding early hybrid at the Fort Collins Station. The heavy yield of mature grain and desirable stalk type make this variety ideal for some of the earlier areas.

COLORADO 152 (110 day). This hybrid is widely used as a silage corn. It grows unusually tall with a fair amount of leaves and a heavy yield of grain. In the dry land sections of Eastern Colorado this variety is giving top results in the field. Colorado 152 is probably the best hybrid corn offered in the medium maturity areas of this non-irrigated section. It is not recommended as a picking corn under irrigation.

C-21—(122 day) ensilage Hybrid is a new outstanding Colorado private formula production. Suitable for silage in medium season districts—lower Plate Valley, upper Arkansas Valley and similar districts.

COLORADO 176—(115 days). This variety is similar to Colorado 175 but yields more grain and less forage. It is adapted to areas growing a later hybrid than 151.

PLANT
GOOD SEED

CORN AND BEANS

TESTED
TAGGED

OPEN-POLLINATED CORN

WHITE AUSTRALIAN is a hard flint corn well adapted for cool climates, short seasons and dry lands. Ears are of medium size; kernels are white, smooth, shallow, rounded and flinty. 85 to 90 days.

GEHU FLINT is a yellow dwarf, flint corn growing 4 to 6 feet high. It matures in 80 to 90 days. It is not a husking corn as the ears set close to the ground, but this makes it very desirable for early hogging down. It is the earliest yellow corn and its particular use is for short seasons and dry land planting.

SQUAW CORN is a mixture of various sorts once grown by North Dakota Indians. It is often called Blue Squaw. It is early, maturing in 90 days. The ears are small; kernels are shallow, rounded, smooth and flinty; yields well. It is selected for sections where the growing season is short where grain is required.

MINNESOTA NO. 13, COLORADO YELLOW DENT are three similar varieties of high yielding, yellow dent corn—well adapted to regions of the state at elevations of 4,800 to 6,000 feet. They mature in 90 to 100 days.



COLORADO 13 was selected and adapted to Colorado conditions from Minnesota 13 for altitudes from 4,000 to 6,000 feet. This is the leading variety of yellow dent, open-pollinated corn. The blue tag assures purchasers of high-quality; that the seed in the bag is true to type.

CRAWFORD'S YELLOW DENT originated in Delta County and has been found well adapted in Morgan County and similar regions. It is a deep, rough kernalled, small cob corn.

REID'S YELLOW DENT is a selected strain of the well known Reid's Corn. This variety is standard for southeastern Colorado, the Arkansas and Grand Valleys. 100 to 110 days.

IOWA SILVER MINE is a white dent corn maturing in 100 to 110 days. Is often referred to as "The National Corn." The cob is small and white. The kernels are deep, white, and rather smooth, dented but not hackle crowned. It has a deep root system which enables it to withstand drought and adverse conditions exceedingly well.

CALICO is a medium early, mixed dent corn maturing in 100 days. Kernels are variegated, being speckled or mottled red, white and yellow. The stalks are leafy; the ears are carried high. Calico corn has a high protein content making it a very efficient feed.

POP CORN

HYBRID SOUTH AMERICAN POP CORN—This new four-way or double cross hybrid is a big vigorous-growing South American Pop Corn with tremendous yields. It has stiff vigorous stalks with tremendous root systems.

Prices: postpaid (1 lb. 60c) (5 lbs. \$2.50).

SOYBEANS

SOYBEANS are annual legumes widely adapted to various soils and not difficult to grow, are excellent as a summer catch crop and splendid soil builders. Soybean hay is one of the best roughages, and when mixed with corn they make splendid ensilage. When harvested for seed, they should not be cut until pods are fully matured and the beans hard. They may be harvested by binder or combine. Sow 25 to 100 pounds per acre depending on the size of seed, method of seeding, use of crop, and soil conditions. Soil should be kept mellow by frequent cultivation. Manchu and Illini are well recommended varieties.

BANSEI EDIBLE SOYBEANS. A very early type, well adapted for short season areas. Ready for picking as green shelled beans in 100 to 96 days. A fine home garden variety. Plants erect and of medium height. Pods yellow. Beans yellow, elliptical, of mild, pleasing flavor.

Prices: (lb. 35c) (5 lbs. \$1.50) (10 lbs. \$2.50) not prepaid.

FIELD BEANS

GREAT NORTHERN BEANS, also called Large White Marrowfat, White Mexican, White Kidney and Western White Wonder. Resemble the Pinto in size and shape.

PINTO or MEXICAN BEANS are the leading commercial beans of the West. Pinto Beans will grow on dry land, yielding as high as 1,100 pounds per acre.

RANGE GRASSES of recent approval

TALL WHEATGRASS (*Agropyron Elongatum*) is a tall, coarse bunch grass that is showing great promises as a forage producer and in reclaiming abandoned farm lands. Livestock graze it well.

RUSSIAN WILD RYE (*Elymus Juncens*) is an erect perennial bunch grass. It is better adapted for pasture than hay. Late in the season it is readily eaten by cattle with apparent relish. No other grass in the dry land areas seems to be as well suited for late grazing.

CANADA WILD RYE (Mandan Strain) (*Elymus Canadensis*). The main virtues of this variety are ease of establishment, rapid growth and high yields of forage. Used to great advantage in mixtures with grasses that are slower in establishment. Tolerates some alkali.

SIDE OATS GRAMA GRASS (*Bouteloua Curtipendula*) is the most widely distributed of all the gramas. Because of its leafiness it is prized as a forage plant. It is deep rooted.

BIRDSFOOT TREFOIL (*Lotus Corniculatus*). A long lived perennial legume. Its principal use seems to be in permanent pasture mixtures where it stays green and produces excellent feed during the hot summer months.

PRICES

Unpriced items will be given on request on Farmers and Ranchers Price List.

GRASSES

For Hay and Pasture

Specially Prepared Bulletins on Most of the Grasses Available on Request.

MEADOW FESCUE, ENGLISH BLUE GRASS (*Festuca pratensis*) is one of the most used grasses for hay and for pasture. It succeeds best in cold, moist, light soils, in low valleys rich in organic matter, and does not thrive on worn, dry land. It reaches its full development the second and third years. It grows quickly after being mown. The forage, either green or dried, is much relished by cattle and is very nourishing. It can be recommended for lawns where Kentucky Blue Grass would fail. Sown in the lawn, use 2 pounds to 100 square feet.

ORCHARD GRASS (*Dactylis glomerata*) is a very early and valuable grass for pasture and hay and affords more than one cutting per season. However, when only one crop is cut the undergrowth is very heavy and gives splendid and rich pasture until late in the fall. It will withstand some drought and is hardy. Well suited for shady places such as orchards and groves.

REDTOP GRASS (*Agrostis alba*) is commonly used for hay, meadows, pastures and lawns. Belongs to the bent family. It grows rapidly and often thrives where Blue Grass fails. It does not compete with Blue Grass but supplements it; thriving in lime-poor and wet soils where Blue Grass is not at its best. It is useful in restraining the growth of weeds.

REED CANARY GRASS is native to the northern part of the country and is a leafy coarse species growing 2 to 8 feet tall. It tends to bunch but spreads underground by creeping branches or root stalks. It is very palatable as pasturage and as hay. Naturally it is a grass for moist or wet land on river or lake banks subject to overflow. It starts to grow early in the spring and withstands pasturing well, if not grazed too closely.

TIMOTHY (*Phleum pratense*). Timothy is the most popular grass for hay and pasture purposes in high altitudes. It is easy to sow; does not require much seed per acre; starts growing quickly. It has a high feeding value when cut at the proper time.

ALSIKE and TIMOTHY mixed make a hay crop much richer in feeding value than timothy alone. Timothy ranks high as a hay and pasture grass but its value is enhanced when alsike is mixed with it. Alsike is one of the best clovers for hay; it is fine and very leafy.

ALSIKE CLOVER (*Trifolium hybridum*) is undoubtedly the best high altitude clover for hay, being planted extensively throughout the Rocky Mountain regions at high altitude, where alfalfa winter-kills. The stems are thin, bearing a thick growth of leaves. It is a valuable forage crop sown alone or with timothy.

PRICES

Prices on Hay and Pasture Grasses will be given on Farmers and Ranchers Price List on request.

ALTA or TALL FESCUE (*Festuca Elatior*). A deeply rooted and strongly tufted perennial with stems 3 to 4 feet high, erect and smooth. Leaves are broad and flat. It was introduced from Europe about the same time as meadow fescue. Two strains are receiving most attention: Alta a selection in Oregon from Tall; Ky. 31 is an increase in Kentucky from tall fescue. It is adapted to a variety of soils.

TALL OAT GRASS (*Arrhenatherum Elatius*) is a succulent, high yielding bunch grass. It comes on early in the spring and remains green until late autumn. An improved strain, developed in Oregon, is being created under the name Tulatin Spring seeds are generally best. It has value in grass mixtures under irrigated conditions or in areas having high rainfall.



MORTON'S PASTURE MIXTURE for Irrigated Land—The following has been a popular formula for a well balanced permanent pasture mixture on irrigated land: Orchard Grass, 10 lbs.; Brome Grass, 10 lbs.; Meadow Fescue, 5 lbs.; Timothy, 3 lbs.; Yellow Blossom Sweet Clover, 2 lbs.

MIXTURE for Seepy Areas—Strawberry Clover, 2 lbs.; Alsike Clover, 2 lbs.; Brome Grass, 7 lbs.; Reed Canary, 5 lbs.

DRYLAND PASTURE MIXTURE. Crested Wheat Grass, 5 lbs.; Intermediate Wheat Grass, 3 lbs.; Yellow Sweet Clover, 2 lbs. Substitute Blue Grama Grass, Buffalo Grass or Western Wheat Grass for Intermediate Wheat Grass.

MIXTURE FOR ALKALINE LANDS. Experiments have shown that the following mixture gives fine results on lands infested with alkali: Yellow Sweet Clover, 6 lbs.; Slender Wheatgrass, 8 lbs.; Meadow Fescue, 6 lbs.; Brome Grass, 6 lbs.

CLEANED
TESTED

GRASSES

For Range and Pasture

FIELD
SEEDS

Specially Prepared Bulletins on Most of the Grasses Available on Request.

CRESTED WHEATGRASS (*Agropyron cristatum*) is a long-lived perennial bunch grass, closely related botanically to Slender Wheatgrass and Western Wheatgrass. The stems are fine and leaves medium abundant. It has the ability to grow at low temperatures and starts growing earlier than most grasses; also it continues to grow later in the fall. It is well adapted to the northern Great Plains, and is suitable for hay and pasture.

CRESTED WHEAT GRASS, Fairway Strain. Has finer and more leaves than the regular strain and can be used under dry land conditions as well as where more moisture is available. It can be used to fine advantage in lawns, fairways, school yards, parks, farm lawns and makes a dense turf and fine appearing lawn. Sow one pound to 100 square feet.

INTERMEDIATE WHEATGRASS (*Agropyron intermedium*). It shows great promise for use as a pasture and forage species in the northern and central parts of the Great Plains and Pacific northwest. It is more drought-resistant than Smooth Brome and somewhat less hardy and drought-resistant than Crested Wheatgrass. The plants begin in early spring and reach a height of 3 to 4 feet. The abundant leafy foliage is relished by all classes of livestock.

WESTERN WHEAT GRASS (*Agropyron smithii*) or Bluestem, is a long-lived perennial widely adapted. Tolerant of drought and a certain amount of alkali. It grows rather slowly, requiring two to three years from time of planting for seeds to mature. Western Wheat Grass produces excellent forage for grazing and hay. It is palatable.

TALL SLENDER WHEATGRASS (*Agropyron tenerum*) is also called Western Ryegrass and McIver's Ryegrass. It grows in tall, erect bunches which sometimes cover a space one foot in diameter. It is perennial and very resistant to drought and cold. Has ability to grow in alkali land and is very palatable and nutritious to cattle and horses. It is well adapted for planting in Colorado, Wyoming, Montana, Nebraska, the Dakotas, and Idaho.

BLUE GRAMA GRASS from the plains and prairies is undoubtedly one of the most valuable forage grasses of the Great Plains and Southwest. Herbage is eaten closely by all classes of livestock either when green, when made into hay or when cured on the ground. Its chief advantages are its high palatability and high nutrient qualities, both when dry and green. Will stand extreme drought. Thrives at altitudes between 4,000 and 8,500 feet.

SAND LOVEGRASS. A vigorous, long-lived bunch grass that is easily established and makes excellent growth when seeded alone or in a mixture on sandy soils. Sow 1 to 2 lbs. per acre.

BUFFALO GRASS (*Buchloe dactyloides*) is a native grass of the plains and is a low-growing perennial that spreads by surface runners. It withstands trampling, severe usage and grazing better than any other native short grass. Seed has been treated to hasten germination.

BROME GRASS (*Bromus inermis*) is also known as Hungarian brome, smooth brome, awnless brome, Russian brome, and Austrian brome. It is a sod former. Roots penetrate 5 to 6 feet into the soil. This makes it possible for Brome Grass to withstand drought conditions, close grazing, and trampling to a remarkable extent. It resists severe winters and is tolerant of considerable alkali, enduring up to 1 per cent white alkali. It is usually sown in the spring on well prepared land at the rate of 10 to 20 pounds of seed per acre. The yield of hay the first year is small, good the second, and best the third.

LINCOLN BROME; ACHENBACH BROME. Kansas and Nebraska crop improvement associations are certifying superior strains of Brome Grass adapted to the warmer areas of the country. Nebraska certifies its strain as Lincoln. Uncertified seed moves into trade channels as Southern, Nebraska or Kansas Brome.

MOUNTAIN BROME GRASS (*Bromus Carinatus*) is a tall, hearty, perennial, bunch grass, one to three feet tall, its blades often reaching one foot in length. It is quite drought resistant and reproduces from seed and is highly palatable and nutritious. It is adapted to elevations 5,000 to 10,000 feet.

TALL WHEATGRASS (*Agropyron Elongatum*). A tall coarse, bunch grass. It does not produce underground stems. It is drought-resistant, later than Crested Wheatgrass and remains green well into hot summer, even in dry years.



**BROME GRASS
PRICES**

Prices on grasses will be given on Farmers and Ranchers Price List on request.

**SOW
GOOD
SEED**

Lawn Grass Seeds

**HAVE
A GOOD
LAWN**

"How to Grow a Lawn" Bulletin Mailed Free.

When making a new lawn or reseeding established lawns it is extremely important to use good cleaned seed. If high-grade seed is used sow 1 lb. to 100 to 150 square feet for new lawns.

GOLD SEAL LAWN GRASS MIXTURE

is an efficient mixture of pure and clean seeds. It contains only high grade grasses suitable for the purpose of making a beautiful, durable and lasting lawn. It germinates quickly, roots deeply, withstands extreme heat and severe cold. Makes a beautiful, rich green lawn.

KENTUCKY BLUE GRASS (Gold Seal) is the most desirable grass for a beautiful lawn. The leaves are narrow and deep green in color. It forms a close turf, is slightly creeping and quite hardy. It is recommended alone or in mixtures for lawn purposes.

DOMESTIC RYE GRASS is a quick growing annual, which does not have root-stalks nor stolons and does not form a compact sod. It affords a quick covering and is helpful as a nurse crop to other lawn grasses.

PERENNIAL RYE GRASS is a tufted, short-lived perennial. It does not form root-stalks or stolons and does not form a compact sod. It grows rapidly, making a quick covering and is used in lawn grass mixtures with Kentucky Blue Grass and Red Top.

WHITE DUTCH CLOVER. This is a small, close growing, dwarf clover, used extensively in making lawns. It is a rapid grower of spreading habits and can be cut very close to the ground without injury to the plant. It starts regrowing at once after cutting. White Dutch Clover helps the grasses by adding nitrogen to the soil.



BENT AND OTHER GRASSES

ASTORIA BENT has very pleasing green color with blades of fine texture. It produces stolons or creeping runners lightly above and heavily below the surface. It is produced on dry hill land and not on moist lowlands and

is therefore capable of withstanding dry conditions. It is a good grass for lawns as well as golf courses. Sow 1 lb. to 250 square feet.

HIGHLAND BENT is a type of Colonial Creeping Bent grown in the uplands of Oregon. It is very hardy, a vigorous grower and will withstand more dry weather than other strains of Bent Grasses.

SEASIDE BENT is produced along the sea coast in Oregon in the low swampy lands. Is known as Coos County Bent, Coccoos Bent, and Coos Bent. Is fine leaved, bright green in color, and creeps both below and above the ground. It requires frequent cutting.

CHEWINGS FESCUE is New Zealand Fescue. It has a very fine blade and is a beautiful and lasting green. It is used for fairways on sandy soils and for lawns in shady places.

FAIRWAY CRESTED WHEATGRASS. This strain of turf grass is highly drought-resistant and is used extensively where rainfall is limited and artificial water is not too plentiful. Sow 1 lb. to 100 square feet.

SHADY LAWN MIXTURE (Gold Seal) a carefully blended mixture recommended for use under shade trees and on sides of the building where little or no sun is available. Sow 1 lb. to 100 to 150 square feet.

PRICES NOT PREPAID

	Lb.	3 lbs.	5 lbs.	25 lbs.
Gold Seal Lawn Grass.....	\$1.00	\$2.95	\$4.90	\$22.50
Kentucky Blue Grass.....	1.05	3.10	5.15	23.75
Domestic Rye Grass.....	.30	.85	1.25	5.50
Perennial Rye Grass.....	.40	1.15	1.75	7.50
Red Top Grass.....	.70	2.05	3.40	15.00
Poa Trivialis	1.00	2.95	4.90	22.50
Meadow Fescue .....	.50	1.45	2.40	10.00
Astoria Bent Grass.....	1.65	4.90	8.15	.....
Highland Bent Grass.....	1.50	4.45	7.40	.....
Seaside Bent Grass.....	1.75	5.20	8.65	.....
Chewing Fescue .....	.95	2.80	4.65	.....
Creeping Red Fescue.....	1.05	3.10	5.15	.....
Bermuda Grass	(4 oz. 30c) .85	2.40	3.75	.....
White Dutch Clover.....	(4 oz. 35c; 8 oz. 70c) 1.25	3.60	5.50	.....
Shady Lawn Mixture.....	1.40	4.00	6.50	.....
Fairway Crested Wheatgrass.....	.75	2.20	3.65	.....

Seed Disinfectants and Fungicides

Prices are not Prepaid unless specified.



CERESAN M—For dry or slurry application to control certain smuts and some other seed-borne diseases of wheat, oats, barley, rye, sorghum, millet and flax. Usually reduces seed decay and seedling damping-off of peas and sugar beets.

Prices: (14 oz. \$1.25) (3 lb. \$3.55) (40 lb. \$35.85) (100 lb. \$85.00)

ARASAN SF-X—New dustless treatment for use in slurry treaters or batch mixers. For corn, rice, sorghums, peas, beans, vegetables, grasses and legumes.

Prices: (25-lb. drum \$45.00) (100 lb. drum \$172.50)



ARASAN for corn, sorghums, vegetables, grasses and legumes. Dry application only. Two-way action. As a disinfectant, generally destroys many surface seed-borne organisms. As a protectant protects against seed-borne organisms.

Prices: (¾ oz. 25c) (8 oz. \$1.00) (2 lb. \$3.20) (10 lb. \$11.50) (100 lb. \$115.00)

SEMESAN—For vegetables, flower seeds and bulbs. Generally preserves seeds against rotting in cold, wet soils; controls damping off or seedling blight. Helps promote sturdier growth, larger yields.

Prices: (2 oz. 60c) (12 oz. \$2.85) (25 lb. \$72.65)



TERSAN 75—(75% Thiuram) more concentrated, less inert than Tersan. Is exceptionally safe and effective non-mercurial for prevention or control of large Brown Patch, Dollar Spot and Snow Mold on golf courses, tennis courts, lawns and fine turfs.

Price: (5½ oz. can \$1.00) (3 lb. bag \$6.75)

COPPER CARBONATE is very efficient for the control of bunt or stinking smut of wheat. Two or 3 ounces of 50% plus Copper Carbonate per bushel of grain is sufficient. The value of Copper Carbonate is determined by its metallic copper content.

Prices: (5 lb. bag \$2.35) (10—5 lb. bags \$21.00)

CORONA COPPERCARB is used for killing smut spores in wheat. It contains from 18 to 20 per cent Copper Carbonate and is specially prepared to give good coverage. The label gives full instructions, further information will be furnished on request. Having a lower metallic copper content more Coppercarb is required per bushel than is required of the 50% plus Copper Carbonate, but the price is lower. 6 to 8 ounces per bushel is recommended.

Prices: (5 lb. bag. \$1.60) (10—5 lb. bags \$12.50)

ORTHOCIDE 75 SEED PROTECTANT. A new disinfectant used on a wide variety of seeds such as: Vegetables, Grains, Corn, Legumes and Grasses. One formulation for all seeds. Can be used dry or slurry method. Non-Toxic to humans.

Prices: (1 lb. can \$2.55) (100 lb. fibre drum \$170.00)

FORMALDEHYDE. Old Reliable and efficient seed disinfectant.

Prices: (1 pt. 60c) (Case, 25, 1 lb. cans \$10.00)

BLUE VITRIOL or SULPHATE OF COPPER is a preventive of smut in grain. It is very effective and probably the cheapest fungicide in use today. One pound of Blue Vitriol dissolved in 20 gallons of water is sufficient to treat 30 bushels of wheat or barley for smut. Five pounds of Blue Vitriol and 5 pounds of lime added to 60 gallons of water is effective for celery spray.

Prices: (1 lb. 25c) (5 lbs. \$1.05) (10 lbs. \$2.00) (50 lbs. \$8.95)

BORDEAUX MIXTURE. Repels leafhopper and flea beetle, also prevents blight. A good fungicide for vegetables, flowers and ornamentals.

Prices: (1 lb. carton 50c) (4 lb. bag \$1.35)

ORTHORIX. A fine year-round spray for control of summer problems such as Powdery Mildew, Black Spot, Rust and Red Spider Mites and dormant problems such as Scab, San Jose Scale and Blight. Also an excellent soil corrective.

Prices: (4 oz. 35c) (16 oz. 95c) (32 oz. \$1.50)



Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

INSECTICIDES

Prices not prepaid unless specified.



ARSENATE OF LEAD is an effective insecticide for leaf eating insects on tender foliage.

Prices: (1 lb. carton 72c) (1 lb. bag 68c) (4 lb. bag \$1.86)

ORTHO VEGETABLE DUST. A multi-purpose vegetable garden dust containing Methoxychlor, Rotenone and Zineb, for control of insects such as Aphis, Thrips, Melon and Pickle Worms, Tomato Fruitworms, Colorado Potato Beetle, Cabbage Worms and many others; plant diseases such as Rust, Downy Mildew, Blights, Leaf Spot and many others.

Prices: (8 oz. dusters \$1.00) (1 lb. refills \$1.00)

NEW EVERGREEN SPRAY is a liquid spray. This provides an easy way to kill garden insects and ants. Its deadly pyrethrum content kills a wide range of insects that eat leaves, destroy blossoms, or suck sap. This is non-poisonous to man or animal and will not injure the tenderest blossoms. Simply mix New Evergreen Spray with water and it is ready for use. It is mailable.

Prices: (1 oz. 35c) (6 oz. \$1.15) (Pints \$2.45) (Quart \$4.10) (Gallon \$12.60)

BLACK LEAF 40. Nicotine Sulphate is a contact spray to kill green and woolly aphids, plant lice, red spiders, cabbage aphids, onion thrips. Is very effective for use on Sweet Peas and Roses. It is also very efficient for poultry lice control at any season of the year. Is easily applied and quite economical.

Prices: (1 oz. 36c) (5 oz. \$1.05) (1 lb. \$2.42) (2 lb. \$4.15) (5 lb. \$7.40) (10 lb. \$12.65) (50 lb. \$53.90)

TRI-GEN SPRAY gives complete protection against all plant insects and diseases, stimulates growth. Tri-gen is a favorite product for application on roses. Put up in three kits for control of chewing insects, sucking insects and mildew.

Prices: (E Kit makes 8 qts. \$1.50) (A kit makes 16 qts. \$2.35) (B Kit makes 64 qts. \$6.00)

VAPATONE XX SPRAY. A wonder insecticide for garden use. Kills aphids, red spider, mites, thrips, caterpillars.

Prices: (4 oz. \$1.00) (16 oz. \$2.75) (95/100 gal. \$11.90)

CUBOR (Rotenone Coated) DUST. Recommended for leaf-eating and sap-sucking insects. Cubor "100" contains 1% rotenone or cube root. Cubor "75" contains $\frac{3}{4}$ of 1% rotenone or cube root. Cubor Sulphur Dust contains $\frac{3}{4}$ % rotenone and sulphur.

Prices: Cubor "75" (4 lb. bag \$1.00) (50 lb. bag \$9.50); Cubor "100" (4 lb. bag \$1.10) (50 lb. bag \$11.50); Cubor Sulphur Dust (1 lb. sifter 50c) (4 lb. bag \$1.00) (50 lb. bag \$10.05)

ACME ROTENONE GARDEN GUARD. The killing ingredient is Rotenone. Acts as contact and stomach poison—non-injurious to humans and warm-blooded animals. Can be dusted or sprayed.

Prices: (1 lb. sifter 50c) (8 oz. pump gun 69c) (4 lb. bag \$1.00)

ISOTOX GARDEN SPRAY. A truly fine, new insect spray containing Lindane. Kills Aphis, Lawn Moth, Earwigs, Ants, Thrips, Flies, Wireworms, and many other pests. Residual kill up to two weeks. Use on flowers, shrubs, fruit trees and vegetables.

Prices (2 oz. 59c) (4 oz. \$1.00) (8 oz. \$1.75) (16 oz. \$2.95)

PARATHION. 15% Spray Powder of high toxicity and must be handled with great care. Acts as a contact and stomach insecticide. Controls aphids, mites, mealy bugs.

Prices: (2 lb. can \$2.00)

VOLCK OIL SPRAY. A highly refined insecticide and spray carrier for use against mealybugs, scale insects, red spiders and white flies on plants.

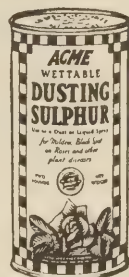
Prices: (4 oz. 35c) (16 oz. 770c) (31 oz. \$1.25)

ORTHO ROSE DUST. Contains Lindane, DDT, Ferbam, and Sulphur. The finest multi-purpose Rose and Flower Garden dust on the market, for the control of most insects, such as Aphis, Japanese Beetles, Thrips, Caterpillars, Lacebugs, Rose Weevils, and plant diseases, such as Black Spot, Powdery Mildew, Leaf Spot, and Rust. Also controls a wide variety of soil insects.

Prices: (8 oz. dusters \$1.00) (1 lb. refills \$1.25)

INSECTICIDES

Prices not prepaid unless specified.



SULPHUR PRODUCTS

DRY LIME-SULPHUR is used for dormant spraying against scale.

Prices: (1 lb. cans 60c) (5 lb. cans \$2.50) (12½ lb. bags \$3.15)

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur for home use which can be used as liquid spray. Controls mildew, leaf spot, black spot and rust on vegetables, flowers and ornamentals.

Prices: (2 lb. cartons 59c)

WETTABLE SULPHUR. Very finely screened Flour of Sulphur for spraying.

Prices: (50 lb. bag \$3.00)

SWAN BRAND SUPERFINE VENTILATED SULPHUR. 97.5% pure, 93-95% passing 325 mesh, contains 2½% filler-non-lumping, free-flowing dusts. Use any type hand or power duster.

Price: (50 lb. bag \$2.60)

TRIANGLE BRAND COMMERCIAL FLOUR SULPHUR. 99.5% pure. Recommended as a soil corrective on alkali soils, sealing seed potatoes. It is a good fertilizer. Not recommended for dusting.

Price: (50 lb. bag \$2.35)

CHLORDANE

Chlordane formulations have been fully tested and proven a crop-safe insecticide even to such delicate crops as squash and melons. Chlordane is a superior insect killer for truck gardens, household use and control of livestock parasites. Non-toxic to man or animal when properly applied. The killing effect lasts for weeks.

COLORADO 44 EMULSIFIABLE Concentrate (4 lbs. chlordane per gallon).

Prices: (4 oz. 75c) (8 oz. \$1.25) (Pint \$1.95) (Quart \$3.25) (gal. \$8.40)

COLORADO 44, 5% Chlordane dust.

Prices: (Garden Duster 89c) (5 lb. \$1.95) (50 lb. \$4.50)

ACME 6% Chlordane Dust controls insects by contact, thru eating and by inhalation of vapors.

Prices: (1 lb. 60c) (4 lb. \$1.50)

ORTHO-KLOR "44" SPRAY. Contains a high concentration of Chlordane. An outstanding control of ants, earwigs, lawn moths, cutworms and many other garden pests.

Prices: (4 oz. 75c) (8 oz. \$1.25) (16 oz. \$1.95) (32 oz. \$3.25)

Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

DDT PRODUCTS

DDT formulations provide an efficient and economical method of control of numerous insects. The action is quick and permanent. They have a lasting residual value.

ORTHO PEST-B-GON WETTABLE. Contains 50% DDT dust. Used as a spray to control garden and household pests such as thrips, plant bugs, beetles, worms, leafhoppers, fleas, bedbugs, roaches, silverfish and ants.

Price: (1 lb. \$1.00)

DDT 50% SPRAY POWDER. Contains 50% DDT. Makes water suspension spray; also a base for DDT dust. Kills Colorado potato beetle, leaf hopper, onion thrip, certain insects on forest and shade trees.

Prices: (1 lb. 90c) (4 lb. \$2.40) (50 lb. \$26.00)

BOTANO DELUXE. The outstanding insecticide to simplify pest control. Used on many plants from roses to tomatoes. A multi-purpose dust in a handy pump-duster; can also be used as a spray.

Prices: (8 oz. \$1.00) (2 lb. refill \$1.95)

10% DDT DUST is finely ground in inert carrier. Convenient form for application. Controls same insects as liquid application.

Prices: (4 lb. \$1.10) (50 lb. \$11.20)

BLACK LEAF AEROSOL INSECT KILLER. This 12 oz. bomb contains Pyrethron. Kills flies, mosquitoes, ants, roaches, bedbugs and similar household pests.

Prices: (Pyrethron bomb \$1.49) (2% D.D.T. bomb \$1.09)

DuPONT 50% TECHNICAL METHOXCHLOR (Wettable Powder)—Can be used right up to harvest time because of its low order of toxicity to humans. This marvelous new insecticide kills bean beetle, potato beetle, flea beetle, Japanese beetle, cabbage worm and many others. Safe on tenderest plants.

Price: (8 oz. canister 75c)

FERMATE (Ferris dimethyldithiocarbamate) is an especially effective control for black spot and rust of roses. Also controls many other diseases of flowers, vegetables, fruits and berries. Use 1½ to 2 lbs. per 100 gals. as spray, 15% as dust.

Prices: (8 oz. 75c) (3 lb. \$2.75)

FREE BULLETINS
SENT ON
REQUEST

Pest Exterminators

PRICES ARE
NOT PREPAID
UNLESS SPECIFIED



ANT CONTROL

CYANOGAS ANT KILLER is not a bait. It is different. Simply enlarge entrances of nests with long shank screw driver or pointed stick; adjust spout on can and allow a small amount of Cyanogas to flow into the enlarged hole. This immediately destroys the queen and worker ants.

Price: (4 oz. spouted can 40c)

TERRO ANT KILLER will rid your place of ants in 24 hours. It is suitable for use in the kitchen, around the ice box, and pantry. In stores, candy cases, and ice cream cabinets. In bakeries, confectioneries, around root beer stands.

Prices: (1¼ oz. bottle 25c) (3 oz. bottle 50c)

CHLORDANE kills ants in the nests or in lawns; around foliage; without harming foliage. The killing effect lasts for weeks.

Prices: (4 oz. bottle 75c) (8 oz. \$1.25) (1 lb. duster 6% 55c)

MICE AND RAT CONTROL

MOUSE SEED is a scientifically prepared mouse exterminator. It is a tiny imported seed scientifically treated in such a way that practically all the chemical is absorbed by the kernel. The mice gnaw the seed to reach the kernel, leaving the hull. Then they go outside to die.

Prices: (1¾ oz. box 25c) (1 lb. can \$1.50)

MANCO KILL RAT is easy to apply; economical; very little required. Rats eat it in preference to food. Contains Warfarin.

Price: (1 lb. 98c)

RAT LUNCHES. A scientifically prepared rat exterminator that may be used anywhere. Wrapped in moisture proof packages in assorted colors. Packed in cellophane bags.

Prices: (15 package 35c) (35 package 65c)

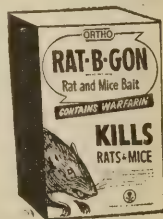
BLACK LEAF WARFARIN RAT KILLER. A highly effective, scientifically formulated concentrated chemical compound for the control of rats, mice and certain other destructive rodents. Baits are tasteless and odorless and do not develop bait shyness. Full directions on each package.

Prices: (4/5 oz. 52c) (¼ lb. \$1.75) (½ lb. \$3.00)

RAT-B-GON RAT AND MICE

BAIT. Contains Warfarin. Kills rats and mice. Economical to use. Odorless and tasteless—no "tip-off" to other rats—they just keep feeding—result, dead rats and mice.

Prices: (1 lb. \$1.00) (5 lbs. \$4.50)



CYANOGAS A-DUST, also known as Cyanogas Calcium Cyanide, is a slate-gray material that gives off hydrocyanic gas upon exposure to the air. This gas is deadly to the rodent and insect pests and kills them almost immediately.

Prices: (1 lb. can \$1.00) (5 lb. can \$3.75) (25 lb. can \$12.50) (100 lb. drum \$30.00)

ORTHO PEST-B-GON WETTABLE. Used as a spray to control household pests such as fleas, bedbugs, roaches, silverfish and ants.

Prices: (1 lb. \$1.00)

ACME DIMITE. Is excellent for control of red spiders, 2-spotted mites, European red mite, Pacific mite and certain other mites.

Prices (2 oz. 69c) (8 oz. \$1.89) (32 oz. \$6.00)

BUG-GETA PELLETS: Kills slugs, cutworms and grasshoppers. Easy to use.

Prices: (12 oz. box 40c) (2 lb. box 85c) (5 lb. box \$1.80)

SNAROL CUT WORM BAIT—It kills snails, slugs, cut worms, sow bugs, ear wigs. Non-injurious to vegetation.

Prices: (1 lb. 35c) (2½ lbs. 75c) (6 lbs. \$1.50) (50 lbs. \$10.00).

DOG REPELLENTS

DOGZOFF, a repellent that discourages dogs. Causes them to avoid flowers, lawns, trees, shrubs, fruit, property and frees lawns and gardens of unsightly dog nuisances. Harmless to animals and humans.

Prices: (3 fluid oz. 75c) (16 oz. \$2.50) (11 oz. bomb dispenser \$2.25)

SCRAM DOG REPELLENT. A powder in self-applier packages used to keep dogs away from shrubs, lawns, porches, etc.

Price: (8 oz. can 50c)

FUMOGEN—Powder. Easy and pleasant to use.

Price: (8 oz. hand shaker can 50c)

GOPHER and MOLE CONTROL

DEATH TO GOPHERS for the extermination of Gophers, Prairie Dogs, Squirrels, Ground Hogs and other rodents. Ready to use tablets make the baiting a very simple problem for golf and country clubs, parks and cemeteries, farms and ranches.

Prices: 30 tablets 30c) (1½ oz. bottle 60c)

DEATH TO MOLES. Use a pointed stick to make several holes in runways and drop in tablets.

Prices: (30 tablets 30c) (70 tablets 60c)

WEED KILLERS

Prices not prepaid unless specified.

2,4-D PRODUCTS

WEEDONE CONCENTRATE

48 (Ethyl ester formulation). 2,4-D acid equivalent 3 lbs. per gallon.

Prices: (1 gal. \$6.00) (5 gal. \$28.75) (30 gal. \$165.00)

WEEDAR 64 (Alkanolamine formulation). 2,4-D acid equivalent 4 lbs. per gallon.

Prices: (Qts. \$3.00) (1 gal. \$6.70)



WEEDONE BRUSH KILLER 32. Low volatility butoxy ethanol ester formulation). 2,4-D acid equivalent 1-1/3 lbs., 2,4,5-T acid equivalent 3/4 lb. per gallon. For hard to kill plants.

Prices: (1 qt. \$4.00) (1 gal. \$8.90) (5 gal. \$42.50)

ACP GRASS KILLER (TCA 90%) a new grass killer for spot and general use in control of certain noxious grasses such as Quack, Bermuda, Johnson in crop land, pastures, irrigation ditches, roadsides, etc.

Prices: (10 lbs. per lb. 54c)

WEEDICIDE CONCENTRATE 40% contains 2.3 lbs. 2,4-D acid equivalent per gallon in the form of Diethanolamine Salt of 2,4-D.

Prices: (gal. \$5.49) (5 gal. \$26.30) (30 gal. \$150.60)

WEEDICIDE 40% (Butyl Ester) contains 2.64 lbs. 2,4-D acid per gallon.

Prices: (gal. \$5.28) (5 gal. \$25.25) (30 gal. \$143.30)

2,4-D FORMULATIONS for control of weeds in lawns

NEW IMPROVED WEEDONE contains 13% B-butoxyethyl Acetate of 2,4-D and 2,4,5-T, the two most effective chemicals for killing lawn weeds. Non-poisonous to animals or humans. Does not give off vapors.

Prices: (8 oz. \$1.00) (qt. \$2.75) (gal. \$6.95)

WEEDICIDE 16 contains 16 ounces per gallon 2,4-D Acid (Amine Salt). Well suited for home and small estate use. Has a wide purchaser acceptance.

Prices: (2 oz. 25c) (8 oz. 75c) (Quart \$1.75)

WEED-NO-MORE 14—A 2,4-D Butyl Ester Weed Killer. The ester formulation is recognized as fast acting and effective.

Prices: (8 oz. \$1.00) (Quart \$2.98) (Applicator 49c)

IMPROVED WEED-B-GON. A new low-volatile ester formulation containing 2,4-D and 2,4,5-T. It is for more effective control of weeds and woody plants. For control of dandelions, chick weed, plantain and certain other weeds in lawns.

Prices: (4 oz. 50c) (16 oz. \$1.50) (32 oz. \$2.75) (1 gal. \$8.75)



Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

WEEDUST is a 2,4-D ethyl ester weed killer in dry, powder form. An easy way to kill a few scattered weeds. Just shake directly out of can for each dandelion or plantain.

Price: (12 oz. can 75c).

NON-SELECTIVE KILLERS

ATLACIDE is a proprietary compound patented by the Chipman Chemical Company. It contains Sodium Chlorate and other salts compounded in a manner to reduce the flammability of Sodium Chlorate. In tests over a three year period the average percentage of kill from the two chemicals was practically identical. May be applied as a spray or in original powder form.

Price: (100-lb. drum \$12.50)

DuPONT AMMATE WEED KILLER—Sure death for poison ivy, poison oak, poison sumac, deep-rooted perennial weeds, brush and very effective in weed control on driveways and along walks. Do not use on lawns or around valuable plants.

(2 lb. bottle \$1.10) (6 lb. bottle \$3.00)

TRIOX. An arsenical weed killer used to sterilize the soil and kill weeds. Prevents plant growth around patios, walks, driveways, etc., under proper conditions up to two years.

Prices: (32 oz. can \$1.14) (1 gal can \$4.00) (5 gal. drum \$14.61)



CRAB GRASS CONTROL

WEEDONE CRAB GRASS

KILLER is a new non-poisonous killing aid for the control of Crab Grass and mouse-ear chickweed in lawns. The active ingredient is potassium cyanate and the formula is often referred to as PC. One application will kill the above weeds, under proper conditions, without killing clover, bluegrass, fescue or other deep-rooted perennial grasses. It is easy to use.

Prices: (5 oz. can treatment for 500 sq. feet, \$1.00) (26 oz. can \$3.00)



ORTHO CRAB GRASS KILLER.

The famous dry compound Crab Grass killer. Can be applied through the sifter top or with spreader. 1 lb. covers 300 sq. feet. The sure way to rid your lawn of this ugly pest.

Prices: (1 1/4 lb. 79c) (4 lbs. \$1.95) (18 lbs. \$5.85)



**PLANTS
NEED FOOD**

FERTILIZERS

**INCREASE
YIELDS**

MIXED OR COMPLETE FERTILIZERS

Prices not prepaid unless specified.



SOILTONE fertilizer is a combination of chemical ammonia nitrate and organic humus from sewage disposal containing twenty-four known minerals. While Soiltone shows only 6% available nitrogen it is assured that it will all be used by plant life because it is completely surrounded by organic humus which has an affinity for rainfall and moisture and prevents leaching by wind or water. Soiltone is the ideal combination of micro-organisms or bacteria which break down the organic material and minerals in the soil while drawing nitrogen from the air. Soiltone has humus of manure plus minerals which manure does not have. One ton of dehydrated Soiltone contains the humus value of many tons of barnyard manure.

Prices: (25 lb. \$1.70) (50 lb. \$2.85) (100 lb. \$4.75)

SACCO PLANT FOOD

is a fine commercial fertilizer; a combined soil rectifier and growth producer for use on lawns, gardens, flowers, trees, potted plants and vegetables. It is a well balanced preparation containing all the feeding elements essential to the perfect growth and development of all plants. This plant food gives quick results, is easy to apply, and very economical. Use 2 to 4 pounds per 100 square feet on lawns.

Prices: (5 lb. 50c) (10 lb. 90c) (25 lb. \$1.90) (50 lb. \$3.50) (100 lb. \$5.25)



- **ORTHO LAWN GROOM.** Saves time and energy. Does all 3 big jobs with one application. FEEDS the lawn, KILLS weeds, CONTROLS insects such as lawn moth, wireworms, etc. Contains fertilizer, 2,4-D weed killer and Lindane, the insecticide. Apply at the rate of 5 lbs. per 1,000 square feet. Prices: (5 lbs. \$1.69) (10 lbs. \$2.95) (25 lbs. \$6.05)



CAPITOL BRAND DEHYDRATED SHEEP MANURE.

Has been pulverized and dehydrated. Heat treatment destroys weed seeds. Makes a good humus and mulch. Contains 1.5% Nitrogen, 1% Ph. Acid, 2% Potash.

Price: 50 lb. bag \$1.40

Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.



VIGORO is a specially prepared plant food for better lawns, flowers and gardens. It provides an economical, practical and effective way to secure fine results. It is clean, odorless, easy to apply. Can be sown by hand like grass seed or applied with a spreader.

Prices: (1 lb. 15c) (5 lb. 53c) (10 lb. 95c) (25 lb. \$1.89) (50 lb. \$3.20) (100 lb. \$5.35)

HELLER-GRO an odorless and non-poisonous liquid fertilizer. In use since 1939 for growing flowers and vegetables in a commercial greenhouse. It will not burn either foliage or roots and may be sprayed on the plants. It is extremely easy and convenient to use.

Price: (2 oz. bottle 25c) (8 oz. bottle 70c) (16 oz. bottle \$1.00) (1 gal. bottle \$5.00)



ORTHO-GRO LIQUID PLANT FOOD.

The wonder liquid plant food. Contains organic fish in a balanced fertilizer formulation. It is fast and all-available to the roots and foliage, giving quick plant response, a 10-5-5 formulation.

Prices: (4 oz. 35c) (16 oz. 90c) (32 oz. \$1.50) (1 gal. \$4.95) (5 gal. \$20.00)

TRIENON ROSE FOOD, a food for roses made from organic (long lasting) and inorganic (quickly available) materials.

Prices: (5 lb. bag \$1.00) (10 lb. bag \$1.70) (25 lb. bag \$3.20)

FERTILIZER ELEMENTS

AMMONIUM NITRATE or NITRATE OF AMMONIA

contains 33½% nitrogen that is readily available for the plant. Alkaline soils help make it more readily available. It increases productivity and the protein content of crops, encourages growth so that maturity is hastened. Side dressing of vegetable crops is recommended as the best method of application. It does not cake or set up in storage.

Prices: (5 lb. 60c) (10 lb. 85c) (50 lb. \$3.00)

SULPHATE OF AMMONIA is a valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. It is a highly concentrated nitrogenous product, containing 25¼ per cent ammonia, 20¼ per cent nitrogen.

Prices: (5 lb. 55c) (10 lb. 75c) (50 lb. 2.75)

SUPERPHOSPHATE is a water soluble combination of phosphoric acid and lime which is formed by the action of sulphuric acid on raw phosphate rock, one of the elements required in a balanced fertilizer.

Prices: (5 lb. 65c) (10 lb. 90c) (80 lb. \$5.00)

BONE MEAL contains Phosphoric acid and some Nitrogen. A very satisfactory food for roses.

Prices: (5 lb. 75c) (10 lb. \$1.25) (50 lb. \$4.50)

PLANT FOODS, STIMULANTS, Etc.

Prices not prepaid unless specified.

VIGORO TABLETS. A complete plant food especially made for potted plants and flower boxes. 4% Nitrogen; 12% Phosphate; 4% Potash. Price: (12 25-grain tablets for 15c).

FULTON'S PLANTABBS



will give an extra boost to everything that grows in the soil,

whether potted plant, flower, vegetable, or ornamental. The rich formula provides 11% Nitrogen (for stems and leaves), 15% Phosphoric Acid (for roots and blooms), 20% Potash (for form and color), plus Vitamin B₁.

Boxes at 10c, 25c, 50c, \$1.00, \$2.00 and \$3.50.

HYPONEX PLANT FOOD. Complete, balanced plant food. Dissolves readily and will not burn. Clean and odorless. Excellent for seedlings, cuttings and transplants. Use indoors or outdoors in soils, sand or water. 1 oz. makes 6 gals. Prices: (1-oz. pkt. 10c) (3-oz. can 25c) (7-oz. can 50c) (1-lb. can \$1.00).

ROOTONE. This is a root-forming stimulant when applied to cuttings, seeds, or bulbs. When seeds and bulbs are dusted with Rootone and planted, the germination is quicker and root growth is faster. Also applied to grass seeds. Prices: (1/4-oz. pkt. 25c) (2-oz. jar \$1.00) (lb. can \$5.00).

TRANSPLANTONE. Very useful when plants are moved or transplanted; helps grow new roots. Prices: (1/2-oz. pkt. 25c) (3-oz. can \$1.00) (lb. can \$4.00).

FLORALIFE prolongs the life and beauty of cut flowers, adding five to ten days more enjoyment. Price: (small packet 10c) (home size makes 30 qt. \$1.00) (100 qt. size \$3.00).

HORTICULTURAL PEAT MOSS

For lawns, gardens, cold frames, hot beds, potting, and general planting. It is a soil conditioner, a source of humus, a means of controlling moisture, a perfect mulch. One bale will cover 100 square feet about one inch deep. Very free from dirt and not ground to a powder or dust.

(Approximate weight when packed) (Full bale 85 lbs. \$4.95) (Half bale 45 lbs. \$2.85) (Fourth bale 17 lbs. \$1.75) (Smaller packages 4 lbs. 75c) (2 lbs. 50c) (household size 27c).

MOON SIGN BOOK

If you believe in moon planting get the Moon Sign Book. This book gives complete instructions in the use of planetary influence on planting and harvesting. It also gives the dates and best time to plant and harvest, for setting eggs, for breeding, fishing, for personal affairs. 256 pages of practical information, published annually since 1906.

Price 1951 edition \$1.25 postpaid in U. S. A.

SOIL CONDITIONERS

The new Magic formulation that improves hard to work Clay Soils. Allows better drainage. Improves soil aggregation quickly; easier watering; less frequent watering; improves aeration; makes soils easy to work.



ORTHO-TIL-SOLUBLE. 83% Active Ingredient. Covers 200 sq. ft. Surface Soil.

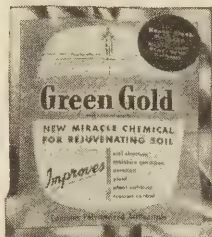
Prices: (4 oz. \$1.19) (1 lb. \$4.50)

ORTHO-TIL-POWDER. 20% Active Ingredient. Covers 150 sq. ft. 1/2 in. deep.

Prices: (1/2 lb. 90c) (3 lb. \$3.95)

KRILIUM. 19% Active Ingredient. 5 lbs. will treat 480 to 575 sq. ft. to a 1/2 in. depth.

Prices: (1 lb. \$1.69) (5 lbs. \$6.95)



GREEN GOLD. 20% Active Ingredient. House Plant package — Mix with one quart water treats 12 to 15 plants, 29c. Economy size for house plants and window boxes 36% Active Ingredient — Mix with two gallons of water, treats 20 sq. ft. 3 in. deep, \$1.00.



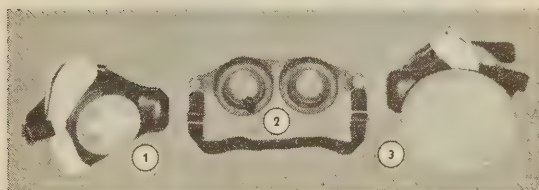
Terra-Lite*
BRAND
VERMICULITE
PLANT AID

Condition Your Soil—If you're troubled by heavy, tight soil in your flower or vegetable garden, you can take immediate steps to remedy this problem quickly and easily with Terra-Lite brand Vermiculite. It's a sterile mineral material that traps air and moisture and supplies these life giving ingredients to plants as needed. For planting, mix Terra-Lite with the soil going into each planting hole.

Prices: (3 1/4 bushel bag—24 lbs. \$2.35) (2 bushel bag—15 lbs. \$1.95) (1/2 bushel bag—5 lbs. 95c) (1/2 peck bag—1 3/4 lbs. 45c).

Prices Not Prepaid Unless Specified

RESPIRATORS



Provide for economical protection where dust is a respiratory hazard in applying seed disinfectants in threshing and around cleaning mills and in dusting crops.

(1) No. 4 DUPOR. Each postpaid: \$1.80.

(3) No. 46 DUPOR. Each postpaid \$2.65

(2) COVERS GAS-TIGHT FOG-PROOF RUBBER GOGGLES. Postpaid: \$1.80 each.

TRANSPLANTING BANDS



VITA-BAND D contains root growth until grower chooses to let root through Band. Only quick, slight pressure is needed to crack Band. Do not remove Vita-Band "D" when transplanting. Band disintegrates in the soil permitting free growth of roots from time of transplant. Nutrient-treated with quickly available plant food.

	25	100	1000
2 by 2 by 3".....	\$.35	\$.85	\$ 5.45
3 by 3 by 3".....	.45	1.10	7.30
4 by 4 by 3".....	.60	1.50	9.50

KNOX-OUT INSECT SPRAY WITH 5% DDT made by Penn. Salt Co. kills Flies, Ants, Roaches, Mosquitoes, Carpet Beetles, Silverfish, Moths and Bed Bugs. Use as a contact or residue spray according to directions.

Price: (pint 35c) (quart 65c) (gallon \$2.35).

MARLATE 50—Methoxychlor, the insecticidal ingredient of Marlata 50, is recommended for spraying both in buildings and on dairy animals by USDA. It is a safe residual insecticide on both dairy animals and buildings. It has high insecticidal efficiency and low toxicity to warm-blooded animals.

Prices: (8 oz. canister 75c) (4 lb. bag \$3.60)

DAIRY ASSOCIATION REMEDIES

KOW-KARE is a concentrated tonic, conditioner, and regulator to promote assimilation, aid low cost milk production, and build up vigor for calving. Prices: (medium size 1 1/4 lbs. 75c) (large size 2 3/4 lbs. \$1.50) (6 large cans \$8.00).

BAG BALM for teat and udder ills, and all farm healing. Price: (Big 10 oz. pkg. \$1.00).

BAG BALM DILATORS. For quick healing of spider, scabs, bruises, internal injuries, or for hard milkers. (25 sterilized packed in Bag Balm \$1.00).

HOME HELP FOR DAIRY COWS—A valuable book, free on request.

Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

GARDEN GLOVES

EEZY WEAR GARDEN GLOVES, all leather, soft, comfortable, durable, washable, dirtproof. Easy on the hands. Easy to wear.

Prices: (Nos. 6, 7, 8, \$1.65 pr.) (Nos. 9, 10, \$1.75 pr.)

GREEN THUMB GARDEN GLOVES. Style No. 100. New dirt-repellant, extra long-wearing gloves. They have a green thumb. The soft chammois-colored fabric is impregnated with vinyl that keeps out dirt and assures long wear.

Prices: (Small, medium, large 89c pair.)

Inoculate all Legume Seeds with

NITRAGIN

OVER FIFTY YEARS OF SERVICE

When ordering, Always state name of seed.

COMBINATION (AB) SOYBEANS (S)

Size	Retail	Size	Retail
1 bu. ea. ....	.55	2 bu. ea.	\$.40
2 bu. ea. ....	.95	5 bu. ea. ....	.60
		25 bu. ea.	2.70

(One can)

ALFALFA (A)

Swt., Bur, Hubam Clover

1 bu. ea. \$.55

CLOVERS (B)

Red, Alsike, Crimson, White and Ladino.

1/8 bu. (Ladino) each \$.18
1 bu. ea.55

LESPEDEZA (L)

100 lb. size (Inoculates up to 100 lbs.) .. \$.55

PEAS, (C) VETCHES (All But Crown)

100 lb. size (Inoculates up to 100 lbs.) ea. \$.50

BEANS (D)

Navy, Pinto, Wax, String, Kidney and Great Northern

1 bu. ea.55

PEANUTS, COW PEAS (E)

2 bu. ea. \$.40

SPECIAL CULTURES—

Give name of seed when ordering. Birds-foot Trefoil, Lima Beans, Big Trefoil, Crown Vetch, Sesbania, Sainfoin, Kudzu. Others upon request.

1 bu. ea. \$.18

1 bu. ea.65

GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans.

Enough for 8 lbs. seed — Retail Price 15c each

HOTKAPS—An Individual Hothouse for Every Plant!

Germaco HOTKAPS—strong little hot-houses—protect plants from destructive frost, storms, insects.

(25 Hotkaps with Setter 95c).

(1,000 for \$18.35) (5,000 lots \$18.20 per M) (10,000 lots, \$18.05 per M) (250, with Setter, \$5.90) (100 with Setter, \$3.15) (Steel Setter, \$1.95) (Fibreboard Setter, 20c). Postage extra.

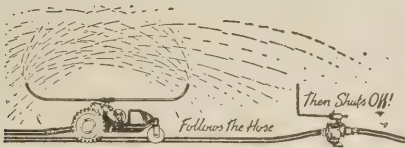
TWIST-EMS

UTILITY TWIST-EMS. Used as a bunching tie by produce shippers and market gardeners.

Prices per 1,000: (7" \$1.55) (8" \$1.71) 12" \$2.62) (16" \$3.50), (Home Garden package of 100 for 25c.)

Prices not prepaid unless specified.

National Walking Lawn Sprinkle



National Mfg. Co. Lincoln, Nebr.

Follows the hose automatically. Start it—Forget it! day or night. The walking sprinkler does the rest.

- Model A5**—Small and medium size lawns using 50 to 75 ft. hose. 22 lbs. **\$24.95**
Model A52—Medium to large lawns using 50 to 100 ft. hose. 28 lbs. **\$29.75**
Model B3—Heavy duty for estates, parks, golf courses, etc., using 75 to 150 ft. hose 38 lbs. **\$35.95**
Automatic Shut-off.—Used with all models.... **\$ 5.00**

RUBBER KNEE PADS

JUDSEN
MOLDED RUBBER
**KNEE
PADS**



Soft sponge rubber cushion on inside gives positive protection against sore, aching knees. Will not slip as adjustable straps are molded into pad. Use for laying cement, flooring, scrubbing, picking crops, gardening, etc. (Pair \$2.50) (Postage 20c)

AEROIL FLAME SPRAYERS or WEED BURNERS.

An outfit of great service and utility, burns kerosene, distillate or stove oil with a flame temperature of 2000° Fahrenheit. Uses: burning weeds, brush, rubbish and trash, disinfecting poultry houses, kennels, etc. Heating water tanks and feed cookers, thawing pipes, melting ice and snow, killing grasshoppers, crickets, setting backfires for fire control. Made from heavy galvanized steel with seamless dependable pump.

- Aeroil No. 99 (Senior), 4-gal.**.....**\$22.00**
Aeroil No. 99 (Giant), 5-gal...... **27.25**
Dobbins No. 310, 4 gal.**\$23.50**

SEEDERS

CYCLONE SEED SOWER sows and distributes evenly seeds of clover, timothy, red top, alfalfa, oats, rye, wheat, millet, buckwheat, turnip. The label gives complete instructions. Weight, 5 pounds. (Each \$4.30) (Postage 25c)

Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

NO. 306 CORN PLANTER has a flexible and adjustable iron drop. Very simple in construction and will work in any soil. Has an iron seed box and iron channel. The foot is made of polished steel. Weight, 7 pounds. (Each \$4.20).

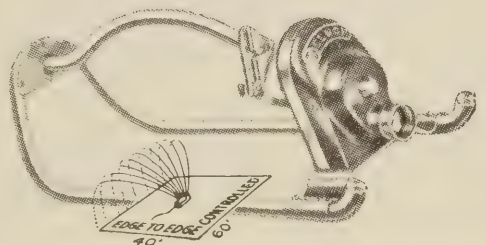
GARDEX TOOLS

Are exclusive in design and construction and are made from quality material. Gardex Tools are guaranteed against defects in material and workmanship. Complete catalog on request.

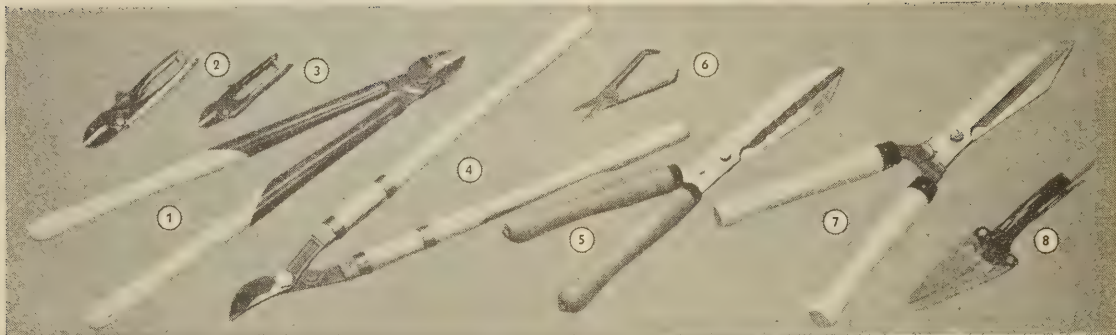
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| No. 1523 Gardex 3 prong cultivator with weeder | Each \$2.20 |
| No. 1710 Gardex Aerator or Ladies Hoe. Handy tool for loosening soil in rock gardens and flower beds..... | 1.50 |
| No. 250 Gardex 16 tooth, Bow Rake | 2.35 |
| No. 251 Gardex Curved Tooth Rake, 14 tooth | 2.15 |
| No. 906½ Gardex Garden Hoe, 6½" blade | 1.45 |
| No. 9017 Beet Thinning Hoe | 1.55 |
| No. 9027 Nurserymen's Hoe | 1.85 |
| No. 9220 2 Prong Square Hoe | 1.60 |
| No. 9310 Gardex Hoe. Heart shaped blade with 3 prong cultivator opposite | 1.85 |
| No. 9320 Gardex Hoe. 3¾" blade with 3 prong cultivator opposite | 1.85 |
| No. 403 Gardex Lawn Sweep. 22 flat flexible steel teeth, well balanced | 1.65 |
| No. 415 Crab Grass Rake | 2.05 |
| 18 in. Bamboo Leaf Rake | .90 |

GARDEX MIDGET TOOLS

- | | |
|---|---------------|
| No. 703 Midget Fork | \$.50 |
| No. 713 Midget Cultivator | .50 |
| No. 714 Midget Culti-Weeder | .60 |
| No. 715 Midget Rake | .60 |
| No. 717 Midget Steel Broom | .65 |
| No. 721 Midget Culti-Spade | .60 |
| No. 732 Midget Culti-Hoe | .70 |
| No. 740 Trowel | .80 |
| No. 741 Transplanting Trowel | .80 |
| No. 706 Asparagus Knife | .60 |



MELNOR'S SWINGIN' SPRAY. Rectangular coverage reaches into all corners, eliminates overlapping, as with stationary, circular-pattern sprinklers. Adjusts to exact areas and up to fixed lines. Arc can be increased or decreased. Spray tube can be centered or set to one side. Lightweight; rustproof. Weight 3 lbs. Price: (Each \$11.95) (Postage 20c)

**LONG HANDLED PRUNERS**

NO. 45 SEYMOUR SMITH ROCKDALE PATTERN. 22" handles. Cuts 1 1/4" limbs. (Each \$3.25)

NO. 48 ROCKDALE PATTERN. Same as 45 but with 30" handles. (Each \$3.75)

(1) NO. 149 SEYMOUR SMITH SNAP-CUT PATTERN. Direct-cut blade-and-anvil cutting principle applied to a lopping shear. 20" handles. (Each \$5.25).

(4) CORONA HAWLEY LOPPING SHEARS NO. 26T. Has 26" handles and hollow ground blades that make cutting easy. Handles securely attached. Weight 2 lbs. (Each \$6.75)

(Postage on any of above 25c)

GRASS SHEARS

(8) NO. 277 SEYMOUR SMITH EZY-CUT GRASS SHEAR. Easy non-tiring squeeze-grip action. A handsome highly efficient tool. (Each \$3.00)

NO. A57 SEYMOUR SMITH EZY-CUT SPECIAL GRASS SHEAR. A splendid value. (Each \$2.15)

NO. A1575 SEYMOUR SMITH STAND-UP GRASS SHEAR. Cutting action same as No. 157. Operator stands up. (Each \$4.20)

(Postage on any of above 15c)

PRUNING SHEARS

(2) NO. 119 8" SNAP-CUT PRUNING SHEAR. Easily cuts 3/4" branches. (Each \$2.75).

(3) NO. 118 LADIES SIZE SNAP-CUT PRUNING SHEAR. Easily cuts 1/2" branches. (Each \$2.10).

NO. 122 9" HAND PRUNING SHEAR. Drop forged ground and polished cutting head. Volute spring. (Each \$1.79).

(6) CALIFORNIA UTILITY SHEAR NO. 19. 6 1/2 inches long, light and comfortable. It is handy for many uses on farm, in shop, garden or kitchen. Weight about 4 oz. (Each 39c).

(Postage on any of above 15c)

HEDGE SHEARS

(7) A14-8 SEYMOUR SMITH EZY-CUT HEDGE SHEARS. 8" blade, high lift handles. (Each \$3.00).

(5) A54-9 LIGHTNING CLIPPER HEDGE SHEARS. New shaped blades 9" long, streamlined handles with extra long ferrules. High lift handles provide ample clearance above hedge. (Price each \$3.85).

(Postage on any of above 25c)



(1) HANDICARTS. Replace awkward wheelbarrow. **No. 18S.** 3 cu. ft. capacity, weight 24 lbs. (\$11.95). **No. 20D.** 3 1/2 cu. ft. capacity, weight 35 lbs. (\$16.75). **Milcor,** 3 cu. ft. (\$9.75).

(5) GOLD SEAL HI-WHEEL CULTIVATOR. Sturdily built, equipped with 24" wheel, double pointed shovel, 5-prong cultivator and plow. Weight 21 lbs. (Each \$8.75).

(2) MODEL BR SPREADER. 16" wide, 20 lb. capacity. Rubber tired wheels. (Each \$11.70).

(3) VIGORO JR. SPREADER. 16" wide, 40 lb. capacity. Rubber tired. (Each \$13.74).

(4) STANDARD SPREADER. 24" wide, 75 lb. capacity. Rubber tired. (\$48.53).

SPECIAL SPREADER. 36" wide, 105 lb. capacity. Rubber tired. (Each \$62.71).

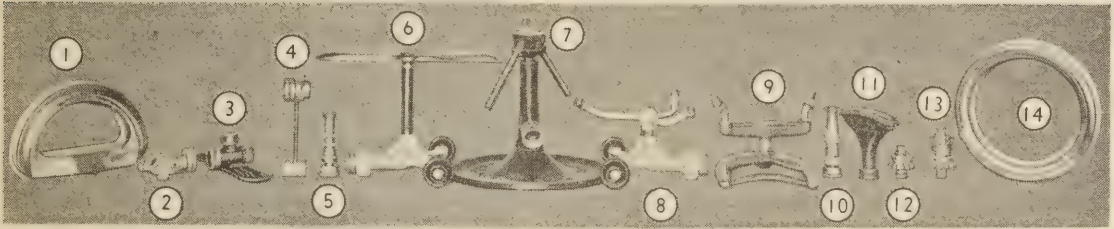
Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

FOR THE
GARDEN

LAWN HOSE GOODS and HAND TOOLS

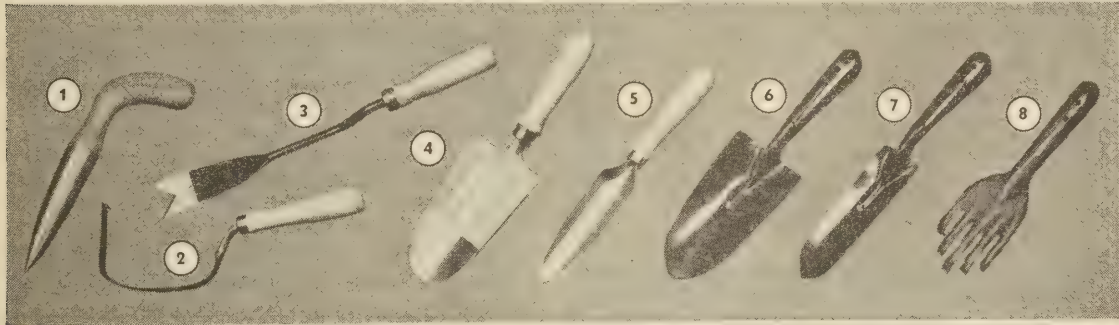
FOR THE
LAWN

Prices not prepaid unless specified.



- (1) **FAMOUS NELSON CRESCENT SPRINKLER.** Throws a fine mist-like spray in a complete half circle. Can be moved without getting wet. Weight 1 lb. (Postage 15c) (Each \$1.75)
- (2) **No. 70 THOMPSON TWIN SPRINKLER.** Cast of zinc and copper alloy, brass lined. (Each 65c)
- (3) **CRICKET SPRINKLER.** Sprinkles a square area. For multiple sprinkling system or for individual use. (Postage 15c) (Each \$1.35) (4 for \$5.25)
- (4) **PARKWAY SPIKE SPRINKLER.** With 4" green enameled spike, zinc and copper alloy brass lined. Sprinkles to one side. (Postage 5c) (Each 45c)
- (5) **PAT NOZZLE.** Attractive in appearance, efficient in performance, moderately priced. (Postage 5c) (Each 85c)
- (6) **WHIRLING FAIRY SPRINKLER.** Unsurpassed for the beauty of its Fairy-Like spray. (Each \$4.25)
- (7) **RAINING "K".** Set instantly to sprinkle any size circle 5 to 50 ft. by turning button. (Postage 25c) (Each \$8.75)

- (8) **POPPY SPRINKLER.** Throws a drenching spray so gentle that it cannot beat down grass or flowers. (Postage 15c) (Each \$3.95)
- (9) **LAKESIDE JR.** Popular priced adjustable nozzle. Sprinkles 40 ft. circle. (Postage 15c) (\$4.35)
- (10) **GOLD LABEL NOZZLE.** Finest quality made. Fingertip adjustment. (Postage 5c) (Each \$1.45)
- (11) **FLARING ROSE SPRINKLER.** Makes an ideal soft spray for new planted grasses, seedlings, delicate foliage and flowers. (Postpaid) (\$1.17)
- (12) **PERFECT CLINCHING MENDERS, BRASS TUBE.** These are self fastening—no bands, bolts, or wires are required. Fingers are non-cutting. For 5/8 and 3/4 in. hose. (Postpaid) (Each 17c) (2 for 32c)
- (13) **PERFECT CLINCHING BRASS COUPLINGS.** Attach to hose same as Hose Menders. Complete couplings, male and female ends for 5/8 and 3/4 inch hose. (Postpaid) Each 43c (Female ends 29c)
- (14) **FULL CIRCLE.** Throws a fine, gentle spray, evenly distributed throughout entire area. (Postage 10c) (Each \$1.65)



- (1) **GARDEN DIBBLES** for setting plants.
No. 218 Regular Size. Polished point, wood handle. (\$1.40). (Postage 10c)
No. 219 Small size. (Wood handle. (\$1.23).
No. 220 Regular Size. Polished point, all iron. (\$1.15). (Postage 10c)
- (2) **IDEAL WEEDER.** A handy garden tool. (75c).
- (3) **ASPARAGUS KNIFE.** Hammer forged, well hardened and tempered. (60c). (Postage 10c)
- (4) **NO. 212 TROWEL.** Stamped in one piece, hal-
lowed to add strength. (52c). (Postpaid)
- (5) **NO. 217 TRANSPLANTING TROWEL.** Narrow
blade and shank from one piece of heavy steel.
32c. (Postpaid)

- (6) **NO. 80 GARDEN TROWEL.** Formed from a single
piece of steel. (25c). (Postage 5c)
 - (7) **NO. 81 TRANSPLANTING TROWEL.** A very
handy tool. (25c). (Postage 5c)
 - (8) **NO. 82 WEEDER OR CULTIVATOR.** Convenient
for close cultivation. (Postage 5c) (25c)
- COLORADO SPRINKLER.** America's only hold it,
set it sprinkler. Strong, rugged (stand on it),
plastic flaring rose type, that will not leak.
Convenient spike makes it a dual purpose
sprinkler. Fully guaranteed.
(Each \$1.49) (Postage 8c)

Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

**SAVE
MATERIAL**

SPRAY PUMPS

Prices not prepaid unless specified.

**APPLY
EFFICIENTLY**

ATOMIZERS or HAND SPRAYERS. These low-priced sprayers are especially designed for the home and are a convenient type for use in the small garden for shrubbery or in the poultry house.

G24	Pilot	5 oz. Glass Jar	\$.37
T25	Wing.....	12 oz. Tin Tank	.50
T26	Raider	32 oz. Tin Tank	.63

CONTINUOUS ATOMIZER or HAND SPRAY GUNS.

Slow, easy pumping produces a continuous mist.

T32	Bomber	32 oz. Tin Tank	\$1.33
G33	Squadron	25 oz. Glass Tank	1.80
G34	Ace	3 qt. Tin Tank	2.40

(Postage on any of above 10c)

COMPRESSED AIR SPRAYERS

With these handy and efficient pumps the operation of spraying becomes an anticipated event. Solution is put in the tank which is made airtight with a twist of the wrist. Air is then pumped in and spraying commences. The trigger quick spray lock gives instant control. All equipped with galvanized steel tank.



Pattern Number	Description	Capacity Gallons	Each
54GS	Bighead	4	\$12.40
G60	Uni-Spray	4	11.70
G30	Aerial	3 3/8	8.80
21G	Fun-L-Fill	3 1/2	9.95
24G	Budget	3 1/2	7.60
26G	Budget	2 1/2	7.05
G20	Jet	2 3/8	8.25

DOBBINS WHEELBARROW SPRAYER No. 3170.
12 gallon capacity, equipped with 6 foot 3/4" hose, 2' extension rod, nozzle and 16" steel wheel. weight 42 pounds. Price: (Each \$29.20)

ORTHO LAWN SPRAYER. For applying your favorite liquid fertilizer. The easy, simple way to fertilize your lawn and garden with clear, aerated rain-like water that won't damage tender plants or wash away soil. Attach to garden hose and water pressure does the work. Also used for insecticides. 15 gal. capacity (\$3.45). (Postage 15c)



CONVENIENT HOSE SPRAYERS

INSECTO GUNS are the most compact, simple and easy to use sprayer available. Just put insecticide in the pint jar, attach to the garden hose and the water pressure does all the work. Eliminates pumping and carrying a tank.

Prices:

Insecto Gard-N-Gun, 1 1/2 gal. capacity.....	\$2.95
Model 3 Insecto-Gun, 3 gal. capacity.....	5.95
Bug-Gun, 1 1/2 gal. capacity.....	1.95

(Postage on any of above 15c)



ARNOLD GARDEN HOSE SPRAYER consists of a shut-off, a cartridge chamber and an extension spraying nozzle. The regular water pressure forces the solution out of the nozzle in a fine mist. Special soluble cartridges for insect and plant disease control fit the cartridge chamber. Water passes through the chamber, dissolves the cartridge providing correct control solution.

Prices: Chrome Finish:

(Postage 15c)

Arnold, with Adjustable Nozzle	6.50
Transparent Chamber and Coupling	2.50
Transparent Chamber, Metal Ends	2.00
Coupling Only	1.00

The following cartridges for the Arnold Garden Hose Sprayer will be available: DDT; P-R (Pyrethrum-Rotenone); Arsen-O-Spray; Nic-O-Spray; Pyr-O-Spray Rot-O-Spray; Funguspray; Sulph-O-Spray; Vitamin B; Weed-O-Spray. (40c each) (12 for \$4.80).

HAYES JR. SPRAY GUN. Attaches to the garden hose and makes spraying as easy as sprinkling the lawn. Sprays up, down, sideways. Suitable for all spraying purposes but ideal for applying 2,4-D Weed Killer on the lawn.

Hayes(Postage 25c) 6 gal. \$9.95

Hayes(Postage 15c) 4 gal. 6.45

Hayes(Postage 10c) 3 gal. 4.95

ORTHO SPRAYETTE. Spray your garden the easy way. Simply add the correct amount of insecticides; fill with water; attach to garden hose and let water pressure do the work. Simple, but effective. 1 1/2 gal. capacity. (\$2.95). (Postage 15c)



INSECTO GRO-GUN (15 gal. capacity). For applying liquid fertilizer. Attach to garden hose.

(Postage 15c) Price: (Each \$2.95)

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Prices not prepaid unless specified.

HAND DUSTERS

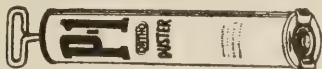
D-12 AIRLINER DUSTER—Powder Compartment 3"x4" about 1 pint. Pump 1½" by 12". Oil treated leather. Weight 1 pound.

Price: (Each 78c).

D-14 SHIP DUSTER. Dust compartment 4" by 4" about 1 quart. Good for garden, dairy barn, poultry house, etc. Weight 1½ lbs. Price: (\$1.38)

NO. 120 DOBBINS DUSTER with Y Discharge. Capacity 3 pounds. Usable as one or two row duster, well built and efficient. Price: (Each \$3.75).

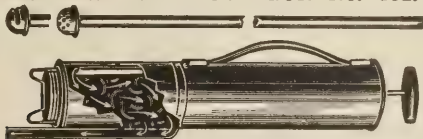
(Postage on any of above 15c)



ORTHO P-1 DUSTER. Amazingly handy pump-action duster for applying garden dusts. Easy to use, sturdy and attractive. Adjustable to dust on top and under plants.

(Postage 20c) (Each \$2.80)

DOBBINS NEW TYPE DUST GUN No. 132. This



small duster is very convenient for small plots and it will handle all powder insecticides. Will be found very suitable and handy for poultry and household dusting. Has a 24-inch extension tube, nozzles for dusting either top or underside, positive check valve. Capacity, one pound. Weight 2 pounds. (Postage 10c) Price: (\$2.10)

CHAMPION KNAPSACK DUSTERS. Two adjustable straps distribute the light weight across the operator's back, leaving arms and hands free. While the operator stands erect, he can reach the underside of the bottom leaves of the lowest plant, or shoot powder 30 feet in the air. Feed regulator—good, steady flow—non-corroding all brass parts—galvanized tank with a capacity of about 20 pounds. Pushing the long operating lever up and down is less work than turning a crank.

No. 100. Double Action Duster\$27.95

No. 200 DOBBINS SUPERBILT CRANK DUSTER. A powerful machine for field dusting and for use in large areas. Provided with a positive feed and indicator that can be quickly set to accurately control quantity. The powerful air-blast breaks up the powder to a fine, uniform dust. Dusting equipment includes four 15-inch pipes, 1 branch connection, 2 elbows, 2 nozzles. Capacity, 5 to 10 pounds. Weight, 15 pounds.

Price: (\$25.55)

HOSE REEL

New Improved Cart Type Hose Reel has capacity for 100 feet of hose. Very sturdy durable construction, easy to handle, low in price. Green enamel finish. Weight 13 lbs. Price: (Each \$4.50)

SOIL SOAKERS. For deep soaking. Gentle, steady flow of water seeps through pores throughout length of soaker.

Prices: CANVAS: 12 ft. \$1.60; 18 ft. \$2.10; 30 ft. \$3.05; 50 ft. \$4.60; PLASTIC: 20 ft. \$2.50; 30 ft. \$3.50; 50 ft. \$4.75; 100 ft. \$8.75.

(Postage on any of above 15c)

LAWN MOWERS

WORCESTER LAWN MOWERS are made by Savage Arms Corporation, long time makers of guns, rifles and ammunition—well known to all. These mowers are sturdy and well built with conventional adjustment of cutting height and adjustment of blade to bed knife.

WORCESTER HAND MOWERS

Model	Width	Weight	Price
350	16"	37 lbs.	\$19.70
450	16"	41 lbs.	21.80
550	16"	40 lbs.	29.90
550	18"	42 lbs.	31.50

WORCESTER POWER MOWERS

750	18"	97 lbs.	1.1 HP	\$119.05
900	21"	118 lbs.	1.6 HP	145.15

LAWN TRIMMERS AND EDGERS

American 6" Trims and Edges.....	24 lbs.	\$18.50
401 Gardex Wheel Edger.....	3 lbs.	2.75
050 Wick Lawn Edger.....	3 lbs.	4.95
402 Gardex Half Moon Edger.....	3 lbs.	2.05

GRASS CATCHERS

Grass Catchers permit the removal of grass clippings from the lawn to prevent them from being tracked in the house. They are convenient to use and efficient.

FOR HAND MOWERS

	Each
HS114 Fits Mower widths 12" thru 18".....	\$2.50
HS234 Fits Mower widths 12" thru 18".....	2.90

FOR POWER MOWERS

244-1S Fits Mower widths 15" thru 21".....	4.10
244-2A Fits Mower Widths 18" thru 24".....	4.25

GOODRICH LAWN HOSE

KOROSEAL GARDEN HOSE is made of Koroseal flexible material. Won't swell or rot in normal service. Crackproof and kinkproof. Fine polish finish, in bright red or bright green, multiple sided.

Price Coupled: (25 ft. \$5.75) (50 ft. \$9.80) (75 ft. \$13.85)

SIGNAL RUBBER HOSE, one braid, 5/8", 15 sided.
Price Coupled: Green (25 ft. \$4.00) (50 ft. \$7.25)
Black (25 ft. \$3.70) (50 ft. \$6.70)

GARDEN CLUB RUBBER HOSE, reinforced with single ply of Circlock Cord; decagon cover in green.

Price Coupled: 25 ft. \$5.10) (50 ft. \$9.50)

Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

See How Easy It Is to Order by Mail

Parcel Post Information...

PACKAGES weighing not more than 70 lbs. and measuring not more than 100 inches in length plus girth (distance around) at widest point, may be mailed to all zones at the rates shown on the right.

TOTAL THE SHIPPING WEIGHTS—On items that are not postpaid total the weights and allow a pound for packing. On packages weighing over 8 ounces, the post office figures any part of a pound as the next full pound.

FOR EXAMPLE—If your order weighs 8 pounds 1 oz., the 9-pound rate will apply. To Zone 3, the postage would be 37c.

SEND ENOUGH POSTAGE—We will return every cent of postage not needed.

C.O.D. SHIPMENTS—It is more convenient and less costly to remit with order. The post office charges a collection fee and a fee for the money order for remitting the collection to us.

No Plants or Nursery Stock Sent C.O.D.



PARCEL POST ZONES from DENVER, COLORADO

Wt. in Lbs.	Local	ZONES			
		1-2 Up to 150 miles	3 150 to 300 miles	4 300 to 600 miles	5 600 to 1 000 miles
1	\$0.15	\$0.17	\$0.17	\$0.19	\$0.21
2	.17	.20	.21	.24	.28
3	.18	.22	.24	.29	.35
4	.19	.25	.28	.34	.42
5	.20	.27	.31	.38	.48
6	.22	.29	.35	.43	.55
7	.23	.32	.38	.48	.62
8	.24	.34	.42	.53	.69
9	.25	.37	.45	.57	.75
10	.27	.39	.49	.62	.82
11	.28	.41	.52	.67	.89
12	.29	.44	.56	.72	.96
13	.30	.46	.59	.76	1.02
14	.32	.49	.63	.81	1.09
15	.33	.51	.66	.86	1.16
16	.34	.53	.70	.91	1.23
17	.35	.56	.73	.95	1.29
18	.37	.58	.77	1.00	1.36
19	.38	.61	.80	1.05	1.43
20	.39	.63	.84	1.10	1.50
21	.40	.65	.87	1.14	1.56
22	.42	.68	.91	1.19	1.63
23	.43	.70	.94	1.24	1.70
24	.44	.73	.98	1.29	1.77
25	.45	.75	1.01	1.33	1.83
26	.47	.77	1.05	1.38	1.90
27	.48	.80	1.08	1.43	1.97
28	.49	.82	1.12	1.48	2.04
29	.50	.85	1.15	1.52	2.10
30	.52	.87	1.19	1.57	2.17
31	.53	.89	1.22	1.62	2.24
32	.54	.92	1.26	1.67	2.31
33	.55	.94	1.29	1.71	2.37
34	.57	.97	1.33	1.76	2.44
35	.58	.99	1.36	1.81	2.51
36	.59	1.01	1.40	1.86	2.58
37	.60	1.04	1.43	1.90	2.64
38	.62	1.06	1.47	1.95	2.71
39	.63	1.09	1.50	2.00	2.78
40	.64	1.11	1.54	2.05	2.85
41	.65	1.13	1.57	2.09	2.91
42	.67	1.16	1.61	2.14	2.98
43	.68	1.18	1.64	2.19	3.05
44	.69	1.21	1.68	2.24	3.12
45	.70	1.23	1.71	2.28	3.18
46	.72	1.25	1.75	2.33	3.25
47	.73	1.28	1.78	2.38	3.32
48	.74	1.30	1.82	2.43	3.39
49	.75	1.33	1.85	2.47	3.45
50	.77	1.35	1.89	2.52	3.52
51	.78	1.37	1.92	2.57	3.59
52	.79	1.40	1.96	2.62	3.66
53	.80	1.42	1.99	2.66	3.72
54	.82	1.45	2.03	2.71	3.79
55	.83	1.47	2.06	2.76	3.86
56	.84	1.49	2.10	2.81	3.93
57	.85	1.52	2.13	2.85	3.99
58	.87	1.54	2.17	2.90	4.06
59	.88	1.57	2.20	2.95	4.13
60	.89	1.59	2.24	3.00	4.20
61	.90	1.61	2.27	3.04	4.26
62	.92	1.64	2.31	3.09	4.33
63	.93	1.66	2.34	3.14	4.40
64	.94	1.69	2.38	3.19	4.47
65	.95	1.71	2.41	3.23	4.53
66	.97	1.73	2.45	3.28	4.60
67	.98	1.76	2.48	3.33	4.67
68	.99	1.78	2.52	3.38	4.74
69	1.00	1.81	2.55	3.42	4.80
70	1.02	1.83	2.59	3.47	4.87

NURSERY COLLECTIONS

Full description of these items on pages 57, 59, 62, 63, 66, 67, 73, 74, and 75

No. 1—BULBS AND ROOTS

\$2.49

Postage and Packing 25c

- 12 Mixed Gladioli—Unnamed
3 Mixed Peony Roots—Unnamed OUR
3 Mixed Dahlia Roots—Unnamed CHOICE

No. 3—SPIREA SPECIAL

One each of any 5 varieties listed on pages
69 and 70, same stock and sizes

5 No. 1 shrubs

Postpaid

\$3.95

No. 2—FRUIT COLLECTION

\$2.69

Postage and Packing 21c

- 5 Red Raspberries
3 Concord Grapes OUR
2 Gooseberries CHOICE
3 Currants

No. 1 Grade

No. 4—ROSE COLLECTIONS

5 Rose Bushes, No. 1 Grade, Our Selection
From Our Regular Stock

YOUR Choice of Climbers or Bush Roses
(Except Patented Roses)

\$4.95

Postage and Packing 25c

DAHLIA COLLECTION \$2.98 Postpaid

We are making a Special Offer of twelve (12) good roots, our selection, all different colors, no two alike, for **\$2.98, postpaid**. This collection contains some of our finest surplus varieties.

ACHILLEA	53, 56
Acroclinium	39
African Daisy	39
Ageratum	39
Alfalfa	80
Alyssum	39, 53
Amaranthus	39
Amoor River Privet	62
Anchusa	39, 53, 56
Anise	18
Anthemis	53
Ant Killers	92
Antirrhinum	1, 38, 39, 49
Apples	73, 74
Apricots	75
Aquilegia	53, 57
Aralia	67
Arctotis	39
Artichoke	3
Ash	71
Asparagus	3, 38
Asparagus Sprengeri	39
Asters	40
Aster Plants	38
Atalacide	93
Aubrietia	53

BABY'S BREATH	40, 54, 57
Baby Blue Eyes	40
Bachelor Button	40
Bag Balm	96
Balloon Vine	41
Balsam	41
Barberry	67
Barley	79
Basil	18
Beans	1, 4, 5, 85
Beauty Bush	67
Beets	6
Begonias	3, 62
Bellis	53
Birch	71
Bird Food	96
Bittersweet	63
B-K Products	96

INDEX

Blackberries	77
Bleeding Hearts	56
Blue Grama Grass	87
Blue Lace Flower	41
Borage	18
Boysenberry	77
Broccoli	6
Brome Grass	87
Burning Bush	41
Butterfly Bush	67

CABBAGE	8, 9, 38
Cacalia	41
Caladium	62
Calendula	41
California Poppy	41
Calliopsis	41
Campanula	53
Candytuft	41, 53
Cane	83
Cannas	59
Cantaloupe	10, 11
Canterbury Bells	38, 41, 53
Caraway	18
Carnation	38, 42, 53, 54, 56
Carrots	12, 13
Castor Oil Bean	42
Catalpa	71
Catnip	18
Cauliflower	7, 38
Celeriac	13
Celery	16, 38
Celosia	42
Centaurea	40, 51, 54
Ceresau	89
Chard, Swiss	31
Cherries	75
Cherry, Flowering	72
Chicory	13
Chinese Cabbage	8
Chives	18, 38

Chlordane	91
Chrysanthemum	56, 57
Chrysanthemum Daisy	42
Citron	37
Clarkia	42
Clematis	57, 63
Clovers	81, 88
Cockscomb	42
Coleus	42
Collards	13
Collections	2, 103
Columbine	53, 57
Coreopsis	54, 57
Coriander	19
Corn	14, 15, 84, 85
Corn Planter	97
Corn Salad	13
Cosmos	42, 43
Cotoneaster	67
Cottonwood	71
Cress	13
Crested Wheat Grass	87
Cucumbers	17
Currants	76

DAHLIAS	43, 60, 61
Dairy Remedies	96
Daisies	43, 53
DDT Products	91
Delphinium	54, 57
Dewberries	77
Dianthus	54, 57
Digitalis	54
Dill	18
Disinfectants	89
Dog Repellants	92
Dogwood	68
Dusters	101
Dusty Miller	43

EGGPLANT	18, 38
Elder	68
Elm	71
Endive	18
Eschscholtzia, Calif. Poppy	41

Everlasting Flowers	43	Maple	71	Roses	64, 65, 66, 73
Everlasting Sweet Peas	55, 58	Marigold	1, 38, 45	Russian Olive	72
FARM SEEDS	79-88	Marjoram	19	Rutabaga	36
Fennel	18, 19	Marvel of Peru	43	Rye	36
Ferns	58	Matricaria, Feverfew	43	SACCO	94
Fertilizers	94, 95	Mice Exterminators	92	Sage	19, 38
Feverfew	43	Mignonette	45	Salpiglossis	49
Field Beans	85	Millet	82	Salsify	31
Field Corn	84, 85	Milo Maize	83	Salvia (Scarlet Sage)	38, 49
Field Peas	82	Mint	38	Salvia Plants	38
Flax	45, 82	Mock Orange	69	Savory	19
Flower Seed	1, 39-55	Moonflower	45	Savory Cabbage	8
Flowering Almond	72	Morning Glory	46	Scabiosa	46, 55, 58
Flowering Crab	72	Moss Rose, Portulaca	49	Scarlet Runner Bean	49
Flowering Quince	72	Mourning Bride	46	Schizanthus	49
Flowering Trees	72	Mulberry	76	Seed Disinfectants	89
Forget-Me-Not	38, 43	Muskmelons	1, 10, 11	Seeders	97
Four O'Clock	43	Mustard	19	Semesan	89
Foxglove	54	Myositis	38, 43	Shasta Daisies	54, 56
Fungicides, etc.	89	NASTURTIUMS	46	Shrubs	67, 68, 69, 70
GAILLARDIA	43, 54	Nemesia	46	Silver Lace Vine	63
Garden Tools	97, 98, 99, 100	Nicotiana	46	Snapdragon	1, 49
Garlic	18	Nierembergia	46	Snapdragon Plants	38
Gladioli	59	Nigella	46	Snowball	70
Globe Amaranth	43	Nitragin	96	Snow-on-the-Mountain	49
Gloves	96	OAK	71	Soil Conditioners	96
Godetia	43	Oats	79	Soiltone	94
Golden Bell	68	Okra	24	Sorghums	83
Gooseberries	76	Olive, Russian	72	Soybeans	85
Gopher Control	92	Onions	22, 23	Speltz	82
Gourds	44	Onion Plants	24	Spinach	29
Grapes	78	Onion Sets	24	Spiraea	67, 69, 70
Grasses	85, 86, 87, 88	Oriental Poppy	55	Sprayers, Dusters	100, 101
Grass Catchers	101	Ornamental Shrubs	67-70	Sprinklers	77, 99
Guem	54	Oyster Plant	31	Squash	32
Gypsophila	40, 54, 57	PAINTED DAISY	42, 43	Statice	49, 55, 58
HACKBERRY	71	Pansies	38, 48	Stocks	38, 49, 50
Hawthorne	72	Pansy Plants	38	Strawberries	78
Hedge Plants	62	Paris Green	90	Strawberries, Alpine, Seed	55
Hegari	83	Parsley	25	Strawflowers (Everlasting)	44
Helianthus Sunflower	50	Parsnips	24	Sudan Grass	83
Helichrysum	44	Pasture, Hay Grasses	86, 87, 88	Sumac	70
Heliotrope	44	Peaches	75	Sumac Cane	80
Herbs	18, 19	Peanuts	82	Sunflowers	50, 82
Hollyhocks	44, 55	Pears	75, 76	Sweet Clover	81
Honesty	55	Peas	26, 27, 82	Sweet Corn	1, 14, 15
Honey Dew	11	Peat Moss	95, 96	Sweet Peas	50, 58
Honey Locust	71	Peonies	61	Sweet Sultan	51
Honeysuckle	63, 68	Peppers	28, 38	Sweet William	51, 55
Horehound	19	Perennial Flowers	53-55	Swiss Chard	31
Horseradish Roots	38	Penstemon	55	Symphoricarpos	70
Hose	101	Pest Exterminators	92	TAMARIX	70
Hotkaps	96	Petunia	1, 47	Tarragon Plants	38
Hunemannia	44	Petunia Plants	38	Thunbergia	51
Hyacinth Bean	44	Phlox	48, 58	Thyme	19
Hybrid Corn	84, 85	Physocarpus	69	Timothy	86
Hydrangea	68	Pinks	48, 54	Tithonia	51
ICELAND POPPY	55	Planters	97	Tobacco	31
Insecticides, etc.	89, 90, 91	Plant Food	94, 95	Tomatoes	1, 34, 35, 38
Ipomea	46	Plant Protectors	95	Tools, etc.	97, 98, 99, 100, 101
Ivy	63	Plants	38	Tractors	97
JAPANESE HOP	44	Platycodon	58	Transplanting Bands	96
Job's Tears	44	Plums	74	Trees	71-76
Joseph's Coat	39	Polygonum	63	Tritoma	58
KAFIR	83	Pop Corn	85	Trowels	97, 98
Kale	19	Poplar	71	Trumpet Vine	63
Kentucky Blue Grass	88	Poppies	41, 48, 55	Tuberose	62
Knee Pads	97	Portulaca	49	Tufted Pansies	38, 51
Kochia	44	Potatoes	25	Turnips	36
Kohlrabi	19	Potato Eyes	25	Twistems	96
Kow-Kare	96	Poultry Litter	96	VEGETABLE Plants and Roots	38
LACE FLOWER	41	Power Mowers	101	Verbena	51
Lady Slipper, Balsam	41	Primrose	49	Verbena Plants	38
Lantana	44	Privet	62	Vetch	82
Larkspur	38, 44, 54	Prunus	72	Viburnum	70
Lathyrus	55, 58	Pumpkins	33	Vigoro	94
Lawn Grass Seeds	88	Pyrethrum	49, 55	Vines	63
Lawn Mowers	101	QUINCE	76	Viola Cornuta	38, 51
Lawn Sprinklers	97, 99	RADISHES	30	Violet	38, 55
Leek	19	Rape	82	WALLFLOWER	51, 55
Lettuce	20, 21	Raspberries	77	Water Cress	13
Lilac	68	Red Bud	72	Watermelon	1, 36, 37
Lilies	58	Red Clover	81	Weed Killers	93
Lily of the Valley	58	Remedies	96	Weeping Deciduous Trees	72
Linden	71	Respirators	96	Weigela	70
Linum	45, 55	Rhubarb	27, 38	Western Wheat Grass	87
Lobelia	45	Ricinus, Castor Bean	42	Wheat	79
Lupines	38, 45, 55, 57	Rose of Sharon	69	Willow	72
MAGNOLIA	72	Rosemary	19	XERANTHEMUM	51
Maderia Vine	63			ZINNIA	1, 52



DOLGO CRAB APPLE
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See Page 72



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